Phytoplankton Monitoring in the Western Isles Region of the Bay of Fundy during 2007-2013

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ABSTRACT

Martin, J.L., M.M. LeGresley, and M.E. Gidney. 2014. Phytoplankton monitoring in the Western Isles region of the Bay of Fundy during 2007-2013. Can. Tech. Rep. Fish. Aquat. Sci. 3105: v + 262 p.

A monitoring program was initiated in May 1987 to study phytoplankton populations in the Western Isles region of the Bay of Fundy, southwest New Brunswick. This report provides another 5 yr of total phytoplankton community data to add to the results from 1987-2006 published previously. Only 2012 and 2013 data for the harmful algal bloom (HAB) species, *Alexandrium fundyense* (paralytic shellfish poisoning) and all *Pseudo-nitzschia* species (amnesic shellfish poisoning or domoic acid poisoning), are presented in this document. Samples were collected for phytoplankton distribution and abundance at five locations – Brandy Cove, Lime Kiln Bay, Deadmans Harbour, the Wolves Islands, and mid Passamaquoddy Bay. Additional parameters measured included nutrients, Secchi depth, and depth profiles for fluorescence, temperature, and salinity and they are documented in a separate report. Samples were collected at the surface from all locations and additional discrete depths of 10 m, 25 m, and 50 m at the Wolves Islands for all years except 2013.

Species observed at concentrations ≥10 000 cells•L^{-1} during all five yr (2007-2011) were: *Alexandrium fundyense*, *Chaetoceros socialis*, *Chaetoceros* spp., *Cylindrotheca closterium*, *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium rubrum*, *Pseudo-nitzschia delicatissima* group, *Pseudo-nitzschia pungens*, *Scrippsiella trochoidea*, *Scrippsiella* sp., *Thalassiosira* spp. as well as the groups of unarmoured/armoured dinoflagellates and tintinnids. There were ten species that occurred at concentrations greater than 100 000 cells•L^{-1} in 2007. In 2008, 2009, 2010 and 2011 there were seven, eleven, eight and ten species, respectively observed at concentrations greater than 100 000 cells•L^{-1}. *M. rubrum* and the *P. delicatissima* group have been observed at concentrations greater than 10 000 cells•L^{-1} during all of the past 25 yr. Highest concentrations of *A. fundyense* observed at our monitoring sites during the 2007-2013 period were 5.03 x 10^5 cells•L^{-1} on July 24, 2007 at Deadmans Harbour. The highest numbers observed during other years were: 4.60 x 10^5 cells•L^{-1} on July 2, 2008 at Deadmans Harbour; 2.79 x 10^5 cells•L^{-1} on June 30, 2009 at Brandy Cove; 5.80 x 10^4 cells•L^{-1} on June 29, 2010 at the Wolves Islands; 1.03 x 10^5 cells•L^{-1} at Deadmans Harbour on July 19, 2011; 1.57 x 10^4 cells•L^{-1} on May 15, 2012 at Deadmans Harbour; and 6.68 x 10^3 cells•L^{-1} at the Wolves on June 18, 2013. The 2009 elevated Brandy Cove concentrations were the highest in the region for that year. This was also the first time since the time series was initiated that the greatest concentration was observed at Brandy Cove. During most years and at all stations, *A. fundyense* cells were minor components (<50%) of the total phytoplankton community. Data since 1995 indicate that there were 47 new (possibly introduced) species detected in the region.

RÉSUMÉ

Martin, J.L., M.M. LeGresley, and M.E. Gidney. 2014. Phytoplankton monitoring in the Western Isles region of the Bay of Fundy during 2007-2013. Can. Tech. Rep. Fish. Aquat. Sci. 3105: v + 262 p.

Un programme de surveillance a été lancé en mai 1987 pour étudier le phytoplancton de la région ouest de la Baie de Fundy, au sud-ouest du Nouveau- Brunswick. Ce rapport ajoute cinq années de données de la communauté phytoplanctonique aux résultats déjà publiés des années 1987-2006. Pour les années 2012 et 2013, seulement les concentrations d'*Alexandrium fundyense* (intoxication paralysante par les mollusques) et les espèces du genre *Pseudo-nitzschia*, (intoxication par phycotoxine amnestique) sont documentées. Les échantillons d'eau pour la distribution et l'abondance de phytoplancton ont été prélevés à cinq emplacements (Brandy Cove, la baie Lime Kiln, Deadmans Harbour, près des îles Wolves et mi-baie Passamaquoddy). Les paramètres additionnels tels que les nutriments (silicate, phosphate, nitrate, nitrite et ammoniac), la profondeur du Secchi, le profil en profondeur de la température, de la fluorescence et de la salinité ont été mesurés et publiés dans un rapport supplémentaire. Aux cinq emplacements, les échantillons ont été prélevés à la surface, ainsi qu'à 10 m, 25 m et 50 m aux îles Wolves sauf qu'en 2013.

Les espèces observées en concentrations ≥10 000 cellules•L^{-1} pendant chacune des cinq années (2007-2011) étaient: *Alexandrium fundyense*, *Chaetoceros socialis*, *Chaetoceros* spp., *Cylindrotheca closterium*, *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium*

rubrum, *Pseudo-nitzschia delicatissima* group, *Pseudo-nitzschia pungens*, *Scrippsiella trochoidea*, *Scrippsiella* sp., *Thalassiosira* spp. ainsi que les regroupements de dinoflagellés et de tintinnides. En plus, en 2007 dix espèces ont été observé en concentrations ≥100 000 cellules•L^{-1} tandis qu'en 2008, 2009, 2010 et 2012 sept, onze, huit et dix espèces respectivement ont été noté au-delà de ce seuil. Le complexe *P. delicatissima* et *M. rubrum* ont été observés en concentrations >10 000 cellules•L^{-1} pendant chacune des 25 dernières années. Les concentrations maximales d'*A. fundyense* à nos cinq sites de surveillance pendant les années 2007-2013 atteignaient 5.03 x 10^5 cellules•L^{-1} le 24 juillet, 2007 à Deadmans Harbour; 4.60 x 10^5 cellules•L^{-1} le 2 juillet, 2008 à Deadmans Harbour; 2.79 x 10^5 cellules•L^{-1} le 30 juin, 2009 à Brandy Cove; 5.80 x 10^4 cellules•L^{-1} le 29 juin, 2010 près des îles Wolves; 1.03 x 10^5 cellules•L^{-1} à Deadmans Harbour le 19 juillet, 2011; 1.57 x 10^4 cellules•L^{-1} le 15 mai, 2012 à Deadmans Harbour; et 6.68 x 10^3 cellules•L^{-1} près des îles Wolves le 18 juin, 2013. Les fortes concentrations à Brandy Cove en 2009 étaient les plus élevées de l'année et la première fois depuis 1987 que Brandy Cove reçoit cette distinction. Pendant la plupart des années, les cellules d'*A. fundyense* constitue moins que 50% de la communauté phytoplanctonique. Depuis 1995, on a observé 47 nouvelles espèces (possiblement introduites) dans la région.

INTRODUCTION

A phytoplankton monitoring program was introduced in the southwestern New Brunswick portion of the Bay of Fundy in 1987. The study was initiated due to growing concerns that the incidents involving harmful algal blooms (HABs) seemed to be increasing in intensity, frequency, and geographic distribution throughout the world (Anderson 1989; Smayda 1990; Hallegraeff 1993, 2010; Fu et al. 2012). Incidences such as fish mortalities, especially those held captive in net pens, have also been growing. Some of these increases can be attributed to increased awareness both in the scientific and public communities, as well as the increased use of inshore coastal waters for aquaculture, tourism, and other activities.

The purposes of the phytoplankton study when it was initiated were to: establish baseline data on phytoplankton populations since little detailed work had been published since earlier studies by Gran and Braarud (1935); identify harmful algal species that could potentially cause harm to the aquaculture industry; provide an early warning to the industries by sorting and identifying samples soon after collection; and determine patterns and trends in phytoplankton populations. The intent was also to determine whether environmental changes occur as a result of the Atlantic salmon (*Salmo salar*) industry. In addition, the monitoring has provided an early warning to regulatory agencies such as the Canadian Food Inspection Agency (CFIA) for the occurrences of species that produce toxins resulting in shellfish toxicities and closures of shellfish beds to harvesting. It has also enabled us to study changing trends in phytoplankton populations and to determine new species to the region.

HABs have been known to affect fish through either neurotoxins, gill damage (mechanically or through the production of hemolytic substances) or altering dissolved oxygen levels (Anderson et al. 2001, 2012). Farmed fish are particularly vulnerable to harmful phytoplankton blooms because they do not have the luxury of being able to swim away to avoid blooms. Adverse effects can include mortality or loss of growth. Due to the economic consequences, monitoring can give fish farmers warning so they can adjust harvesting schedules, delay the entry of smolts and modify feeding schedules (Chang et al. 2005).

Although the majority of phytoplankton species occur in the environment without causing adverse effects, there are a few that are known to cause harm. For example, in the Bay of Fundy, *Alexandrium fundyense* and *Pseudo-nitzschia pseudodelicatissima* are species responsible for producing toxins associated with the syndromes paralytic shellfish poisoning (PSP) and amnesic shellfish poisoning (ASP or domoic acid poisoning), respectively. In these cases, shellfish that had been feeding on harmful species accumulate toxins with no obvious effects to the shellfish themselves. The toxins are then stored in their tissues and when the shellfish are eaten by vertebrate consumers, including humans, illness and, in some cases death, can result. PSP toxins and resulting shellfish toxicity have been around in the Bay of Fundy for at least hundreds of years (Prakash et al. 1971; Martin and Richard 1996) and both our studies and PSP shellfish toxicity results show that *A. fundyense* occurs annually (Martin and White 1988; Martin and LeGresley 2014; Martin et al. 1999, 2001, 2006a, 2014a, 2014b).

Domoic acid was first detected in shellfish in the Bay of Fundy in 1988 and the causative species was determined to be *P. pseudodelicatissima* (Martin et al. 1990; Haya et al. 1991). During the 1988 event, the shellfish harvesting areas affected were located in Passamaquoddy Bay. It was not until 1995 that shellfish beds were closed again in the Bay of Fundy as a result of unacceptable levels of domoic acid and, in this case, the areas affected were outside Passamaquoddy Bay (Martin et al. 1998).

A. fundyense has not only been responsible for human illnesses as a result of PSP, but it has also affected fisheries. For example, in 1976 and 1979, hundreds of tonnes of Atlantic herring, *Clupea harengus harengus*, died from PSP toxins that the herring had accumulated through the food chain (White 1980). Atlantic salmon (*Salmo salar*) in net pens were affected by PSP toxins in the Bay of Fundy in 2003 and 2004 (Martin et al. 2006b, 2008; Burridge et al. 2010). In 1987, 14 humpback whales died after feeding on mackerel (*Scomber scombrus*) that had eaten zooplankton that in turn had fed on *A. fundyense* (MacKenzie 1988; Haya et al. 1990). There has been the suggestion that right whales feeding on contaminated zooplankton in Grand Manan Basin could potentially experience a decrease in respiratory capabilities, feeding behaviour and reproductive condition (Durbin et al. 2002).

Results from the earlier years of the monitoring program have been published previously (Martin and LeGresley 2014; Wildish et al. 1988, 1990; Martin et al. 1995, 1999, 2001, 2006a, 2014b). This report presents results from analyses of phytoplankton during the 5 yr, 2007-2011, and the

HAB species (*Alexandrium fundyense* and all *Pseudo-nitzschia* species) have been extended to include 2012-2013.

MATERIALS AND METHODS

The number of sampling sites in the southwest New Brunswick area of the Bay of Fundy has changed since the program started in 1987. Initially, 12 sites were sampled with 10 located in the Letang area, where the majority of the aquaculture sites were located at that time, and the remaining two sites were located in Harbour de Lute (Campobello Island), in close proximity to another aquaculture site. The following year, the number of sampling sites expanded to 18, with additional sites in Passamaquoddy Bay around Deer Island, Deadmans Harbour and the offshore site at the Wolves Islands. In 1992, sampling was reduced, due to financial constraints, to the four stations that continue to be monitored today (Fig. 1). These include: Brandy Cove (#17 – a brackish site influenced by the Saint Croix River estuary), Lime Kiln Bay (#3 – Letang estuary where a number of aquaculture sites are located), Deadmans Harbour (#15 – an open bay with offshore influence), and the Wolves Islands (#16 – an offshore indicator site). An extra sampling site (#25) was added in mid-Passamaquoddy Bay in 1999 following observations of brick-red patches of water. Coordinates for the five sampling stations are located in Table 1.

Table 1. Co-ordinates of sampling stations (degrees and minutes).

Brandy Cove (#17)	45 05.01 N	67 05.16 W
Mid-Passamaquoddy Bay (#25)	45 04.00 N	66 58.00 W
Lime Kiln (#3)	45 03.27 N	66 49.20 W
Deadmans Harbour (#15)	45 02.88 N	66 46.64 W
Wolves (#16)	44 59.35 N	66 44.20 W

Sampling was conducted during the 7 yr, 2007-2013, aboard the research vessel PANDALUS III (until its retirement in 2010) and then aboard the research vessel, the Viola M. Davidson. Weekly samples were collected from: May 1 to November 6 (2007); May 6 to October 28 (2008); May 5 to October 27 (2009); May 4 to October 26 (2010); and April 6 to October 4 (2011). Sampling for HAB species was conducted weekly from April 2 to September 25 in 2012 and from April 2 to September 24 in 2013. Monthly samples were collected during all other months during all years.

A Seabird Model 25 CTD was used to collect vertical profiles of temperature, salinity, and fluorescence at each site at each sampling time. These results are presented in a separate document that also includes nutrient and Secchi depth values (Martin et al. in prep.).

Phytoplankton samples were collected at the surface by bucket from all five stations and at depths of 10 m, 25 m, and 50 m with a 2L Niskin bottle at station #16. Sampling at depth was not conducted in 2013. During the summer months a 10 m vertical plankton haul was made with a 20-µm mesh net, 0.3 m in diameter. A subsample was preserved with formalin:acetic acid (1:1 by volume) for further identification and scanning electron microscope (SEM). In addition, a live sample was taken for identification and culture of selected organisms. Live phytoplankton samples were immediately iced for the return trip to the laboratory.

Samples and data were recorded according to date, location, and depth; as well, an independent identification number was assigned at the time of collection. Information was entered, maintained, and accessed in a database.

Water samples (250 mL) were immediately preserved with 5 mL formalin:acetic acid. Later, 50-mL subsamples were settled in counting chambers for 16 h and the whole surface area was counted. All phytoplankton greater than 5 µm were identified and enumerated (as cells•L^{-1}) using a Nikon inverted microscope. When further identification was required, it was done using either a JEOL JSM-5600 SEM or a Hitachi S-2400 SEM. Sample preparation for SEM was as follows: samples were rinsed with 250 mL distilled water (prefiltered 1.3 µm) onto a 3-µm (Poretics) polycarbonate filter using a 25-mm Millipore vacuum filtration apparatus. Diatoms were cleaned with the permanganate oxidation method (Hasle and Fryxell 1970) while phytoplankton samples with thin walls and/or unarmoured dinoflagellates were dehydrated in a series of ethanol solutions (20, 50, 70, 85, 95%) prepared with distilled water and absolute ethanol for a minimum of 10 min at each step, finishing with three rinses of 100% ethanol. For the final drying step, three changes of hexamethyldisilazane (HMDS) were used (Bray et al. 1993; Kaczmarska et al. 2000), a minimum of 10 min each, allowing the last rinse to evaporate slowly at room temperature. Filters were mounted on stubs, and then coated with gold-palladium in a Hummer sputtering system.

Species were defined as "new" to the region if they had not been observed in samples prior to 1995 and now appear to be permanently established as members of the local ecosystem.

Only most abundant and HAB species were enumerated in 2012 and 2013. As with the samples from 1987-2011, 50 mL of the sample were settled using settling chambers. Counts were determined from counting cells from one half of the settled slide. This manuscript reports results from total phytoplankton community for 2007-2011 and only the HAB species *A. fundyense* and all *Pseudo-nitzschia* species for 2012 and 2013.

For species identification purposes, the *P. delicatissima* group included species of both *P. pseudodelicatissima* and *P. delicatissima*; the *P. seriata* group included the species *P. multiseries, P. pungens,* and *P. seriata*. In 2006, following the completion of the Kaczmarska et al. (2005) study, and when *P. pseudodelicatissima* was dominant and appeared as a pure culture, it was identified as *P. pseudodelicatissima*. Additionally, since 2006, when it was mixed with similar sized other *Pseudo-nitzschia* species, it was grouped with the *Pseudo-nitschia delicatissima* group.

Chain forming diatoms such as *Pseudo-nitzschia* spp., *Chaetoceros* spp., *Thalassiosira* spp., and *Guinardia* sp. were counted as number of chains observed instead of total number of individual frustules or cells. The authors may be contacted for information on chain size since notation was made on length of chains.

Alexandrium fundyense cells included all its life cycle stages, and if different stages in its life cycle were observed, they were recorded separately as well. Its life cycle stages include: duplets, triplets and quadruplets (asexually dividing cells) that are observed early in the bloom, fusing (sexual division where two cells fuse together), planozygotes (large cells formed from the fusing cells) and cysts or resting spores.

RESULTS

There were a total of 32, 32, 31, 31, 31, 33 and 33 sample days in 2007, 2008, 2009, 2010, 2011, 2012 and 2013, respectively.

Numbers of samples analyzed for phytoplankton density were: 244 (2007), 256 (2008), 239 (2009), 248 (2010) and 251 (2011). There were 255 samples analysed for HAB species in 2012 and 164 in 2013. (Samples were not collected at depth in 2013). During the five yr, 232 species of phytoplankton and smaller zooplankton were identified in addition to a listing of groups where species were not identified such as armoured dinoflagellates, unarmoured dinoflagellates, centric and pennate diatoms, ciliates, copepods and tintinnids (Appendix 1). Identification and enumeration results for phytoplankton are listed in Appendix 2. Organisms that were observed at concentrations greater than 10 000 cells•L^{-1} during the 5 yr are listed in alphabetical order in Table 2.

Table 2. Organisms detected at levels greater than 10 000 cells•L^{-1}. Species ≥10 000 cells•L^{-1}are indicated with +, ≥100 000 ++, and ≥one million +++. *AD refers to samples collected "at depth".

	2007	2008	2009	2010	2011
Alexandrium fundyense	++	++	++	+	++
Amphidinium sphenoides	*AD	+			
Apedinella radians		+	+	+	
Armoured dinoflagellate	+	+	+	+	++
Asterionellopsis glacialis					+
Cerataulina pelagica	+	+		+	++
Ceratium lineatum		+	+		+
Chaetoceros constrictus				+	
Chaetoceros contortus	*AD			+	+
Chaetoceros convolutus f. *trisetosa*		+	+		
Chaetoceros debilis	+			+	+
Chaetoceros filiformis			+		+

	2007	2008	2009	2010	2011
Chaetoceros furcellatus	*AD				
Chaetoceros lorenzianus		+			
Chaetoceros pseudobrevis		*AD			
Chaetoceros radicans					+
Chaetoceros similis		+	++		+
Chaetoceros simplex		+			
Chaetoceros socialis	++	+	++	++	++
Chaetoceros spp. (Hyalochaete)	++	++	++	+	++
Cylindrotheca closterium	+	+	+	+	+
Dactyliosolen fragilissimus			++	+	
Dictyocha speculum	+	+	+	+	+
Dinobryon spp.			+		
Dinophysis acuminata		+			
Ditylum brightwellii		+			
Ebria tripartita	+	+	+	+	
Eucampia zodiacus				+	
Eutreptiella sp.	++	+	+	+	+
Guinardia delicatula	++	+	+	+	+
Helicostomella spp.		+			
Heterocapsa triquetra	+	+	++	++	++
Leptocylindrus danicus				++	
Leptocylindrus mediterraneus			+		
Leptocylindrus minimus	++	++	+	++	+
Mesodinium rubrum	+	++	+	+	++
Pennate diatom				+	
Prorocentrum minimum	+		+	+	
Protoperidinium bipes	+				
Pseudo-nitzschia americana				+	
Pseudo-nitzschia delicatissima	++	+	++	+	++
Pseudo-nitzschia delicatissima group	++	+++	++		
Pseudo-nitzschia fraudulenta		+			
Pseudo-nitzschia pseudodelicatissima	++	+++	+++	++	+
Pseudo-nitzschia pungens	+	+	+	+	+
Pseudo-nitzschia seriata group	+	+			
Pseudo-nitzschia subpacifica		+		+	
Rhizosolenia imbricata				+	
Scrippsiella sp.	++	+	+	++	++
Scrippsiella trochoidea	+	+	+	+	+
Skeletonema costatum		++	+++	++	++
Thalassiosira anguste-lineata			+		

	2007	2008	2009	2010	2011
Thalassiosira gravida					+
Thalassiosira nordenskioeldii	+	*AD	++	+	
Thalassiosira sp. (tiny)		+			
Thalassiosira spp.	+	+	+	+	+
Tintinnida	+	+	+	++	+
Tintinnopsis beroidea					+
Unarmoured dinoflagellate	+	+	+	+	+

Figures 2 and 4 show *A. fundyense* concentrations from the four continuously monitored stations since 1988 and mid-Passamaquoddy Bay since 1989. Figure 3 shows *A. fundyense* concentrations detected during the 7 yr (2007-2013). Although *A. fundyense* cells (the PSP toxin producer) are observed annually, the intensity of the bloom has varied greatly from year to year (Fig. 2, 3, 4). The blooms are patchy and tend to concentrate in surface waters. During most years, blooms were initiated in early May with highest numbers observed in mid-July. The intensity of the *A. fundyense* blooms was observed at concentrations greater than 100 000 cells•L^{-1} at our sampling sites during the following years: 1989 (1.63 x 10^5 cells•L^{-1} - Deadmans Harbour), 2002 (1.52 x 10^5 cells•L^{-1} - Deadmans Harbour), 2004 (3.19 x 10^5 cells•L^{-1} - Wolves Islands and 1.39 x 10^5 cells•L^{-1} - Deadmans Harbour), 2007 (5.03 x 10^5 cells•L^{-1} - Deadmans Harbour; 1.51 x 10^5 cells•L^{-1} - Lime Kiln; and 1.46 x 10^5 cells•L^{-1} - mid-Passamaquoddy Bay), 2008 (4.60 x 10^5 cells•L^{-1} - Deadmans Harbour and 1.36 x 10^5 cells•L^{-1} - Wolves Islands), 2009 (2.79 x 10^5 cells•L^{-1} - Brandy Cove; 1.83 x 10^5 cells•L^{-1} - Lime Kiln; and 1.06 x 10^5 cells•L^{-1} - Deadmans Harbour), and 2011 (1.03 x 10^5 cells•L^{-1} - Deadmans Harbour).

A. fundyense concentrations during the seven yr (2007-2013) showed the highest values observed at our sampling sites during 2007 and 2008 (Fig. 3). During both these years, concentrations were ~500 000 cells•L^{-1}.

A. fundyense cells were observed at all locations every year and lowest numbers were always found at Brandy Cove. An exception to this pattern occurred in 2009 where concentrations at Brandy Cove were considerably higher than at all other stations (Fig. 2, 3, 4). On June 16, 2009, the concentration of *A. fundyense* detected at this station was 288 cells•L^{-1}. By June 23, it had increased to 5616 cells•L^{-1}, and the following week, on June 30, concentrations increased to 2.79 x 10^5 cells•L^{-1}. On July 7, one week later they had decreased to 1240 cells•L^{-1}. Interestingly, *A. fundyense* concentrations at Brandy Cove and shellfish toxicity at Bar Road in Passamaquoddy Bay were the highest for the whole Bay of Fundy in 2009 – a first since PSP shellfish toxicity testing was initiated in 1943 and our phytoplankton sampling programme began in 1987.

Where sampling was conducted at discrete depths at the Wolves, fewer cells were detected at depth, as is consistent with other *A. fundyense* studies in the Bay of Fundy (Martin et al. 2005). This only tended to differ when there were extreme wind events and *A. fundyense* cells tended to drop lower in the water column in order to avoid the turbulence.

During most years and at all stations, *A. fundyense* cells were minor components (<50%) of the total phytoplankton community. This phenomena seems to be apparent for most sampling days except during rare years such as 1989, 2004 and 2007 when *A. fundyense* concentrations exceeded 1.0 x 10^5 cells•L^{-1} and when it was observed at these high concentrations it comprised 40-80% of the total phytoplankton community. Organisms that co-existed varied between years and locations. At concentrations >5.0 x 10^5 cells•L^{-1} the total phytoplankton community was often >75% *A. fundyense*. Table 3 shows: a summary of the highest concentrations of *A. fundyense* observed during each year from 1987 to 2013; the sampling station at which each observation was made; the three most abundant co-occurring species; and the time frame for an *A. fundyense* bloom when it occurred at concentrations greater than 10 000 cells•L^{-1}. *Mesodinium rubrum* was the most common of the abundant co-occuring organisms (6 of 27 yr). Deadmans Harbour had the maximum *A. fundyense* concentrations for 14 yr of the time series. When comparing *A. fundyense* concentrations to total dinoflagellate cell densities during periods where maximum cell densities were observed, *A. fundyense* was not a major component of the dinoflagellate community during most years unless there were >1.0 x 10^5 cells•L^{-1}.

Table 3. Highest concentrations of *Alexandrium fundyense* observed at the sampling sites from 1987-2013. Highest density at regular monitoring stations in 27 years. *Only station sampled in 1987.

Year	# samples where *Alexandrium* >10 000/L at 0 m	Date range when *Alexandrium* density >10 000/L	Highest density (cells•L^{-1})	Station with the highest density	Date of highest density	Most abundant co-occuring species	Second most abundant co-occuring species	Third most abundant co-occuring species
1987	0		6 660	3*	30-Jun-87	*Chaetoceros* spp.	*Thalassiosira gravida*	*Protoperidinium* spp.
1988	0		7 460	16	12-Jul-88	*Mesodinium rubrum*	*Protoperidinium* spp.	*Scrippsiella trochoidea*
1989	8	June 28-Sept 20	162 740	15	18-Jul-89	*Protoperidinium* spp.	*Mesodinium rubrum*	*Scrippsiella trochoidea*
1990	2	July 9-July 16	68 540	16	16-Jul-90	*Skeletonema costatum*	*Leptocylindrus minimus*	*Cylindrotheca closterium*
1991	2	July 16-July 24	60 380	16	16-Jul-91	*Mesodinium rubrum*	*Leptocylindrus minimus*	*P. delicatissima* group
1992	1	July 21	20 080	15	21-Jul-92	*Mesodinium rubrum*	*Protoperidinium* spp.	*Chaetoceros* spp.
1993	6	July 6-July 13	63 640	3	13-Jul-93	*P. delicatissima* group	*Mesodinium rubrum*	*Chaetoceros contortus*
1994	4	June 28-July 11	53 856	15	28-Jun-94	*Mesodinium rubrum*	*Heterocapsa triquetra*	*Scrippsiella trochoidea*
1995	2	July 19	28 600	15	19-Jul-95	*Guinardia delicatula*	*Mesodinium rubrum*	*Heterocapsa triquetra*
1996	1	Aug 12	16 160	15	12-Aug-96	*Scrippsiella trochoidea*	Armoured dinoflagellate	*P. delicatissima* group
1997	0		8 200	15	24-Jun-97	*Chaetoceros contortus*	*Heterocapsa triquetra*	*Chaetoceros* spp.
1998	0		6 720	15	23-Jun-98	Tintinnida	*Mesodinium rubrum*	*Heterocapsa triquetra*
1999	0		3 200	15	27-Jul-99	*Mesodinium rubrum*	Armoured dinoflagellate	*Scrippsiella trochoidea*
2000	0		2 400	25	23-May-00	*Thalassiosira* spp.	*Chaetoceros* spp.	*Mesodinium rubrum*
2001	5	June 26-July 17	67 840	15	17-Jul-01	*Heterocapsa triquetra*	*Mesodinium rubrum*	Tintinnida
2002	3	July 23-July 30	152 014	15	23-Jul-02	*Heterocapsa triquetra*	*Scrippsiella* sp.	Armoured dinoflagellate
2003	12	July 15-Sept 23	90 746	16	9-Sep-03	*Ditylum brightwellii*	*Thalassiosira gravida*	*P. seriata* group
2004	26	June 29-Aug 17	319 056	16	3-Aug-04	*P. delicatissima* group	*Leptocylindrus minimus*	*Helicostomella* spp.
2005	9	June 28-July 19	52 480	3	12-Jul-05	*Membraneis challengeri*	*Mesodinium rubrum*	*Heterocapsa triquetra*
2006	7	July 19- Aug 1	49 408	3	25-Jul-06	*Heterocapsa triquetra*	*Scrippsiella trochoidea*	*Eutreptiella* sp.
2007	14	July 10-Aug 14	503 438	15	24-Jul-07	*Scrippsiella trochoidea*	*Heterocapsa triquetra*	Unarmoured dinoflagellate
2008	12	June 9-July 2	460 088	15	2-Jul-08	*Mesodinium rubrum*	*Heterocapsa triquetra*	Armoured dinoflagellate
2009	13	June 16-July 7	279 174	17	30-Jun-09	*Heterocapsa triquetra*	*Scrippsiella trochoidea*	*Mesodinium rubrum*
2010	7	June 22-July 6	58 089	16	29-Jun-10	*Chaetoceros socialis*	*Cerataulina pelagica*	*Mesodinium rubrum*
2011	3	June 28-July 19	103 462	15	19-Jul-11	*Scrippsiella* sp.	Armoured dinoflagellate	*Scrippsiella trochoidea*
2012	2	May 15-July 15	15 680	15	15-May-12	*Thalassiosira nordenskioeldii*	*Heterocapsa triquetra*	*Thalassiosira* spp.
2013	0		6 680	16	18-Jun-13	*Chaetoceros debilis*	*Chaetoceros* spp.	*Heterocapsa triquetra*

Although there are a number of *Pseudo-nitzschia* species in the Bay of Fundy (Kaczmarska et al. 2005), the *Pseudo-nitzschia* species have been grouped into 2 groups because of difficulty in differentiating them with the light microscope. The *P. delicatissima* group refers to a number of different species that are difficult to differentiate without the use of an electron microscope because of their small size in width (1.5-2.0 µm). They include *P. pseudodelicatissima* and *P. delicatissima*. The *P. seriata* group includes *P. fraudulenta, P. multiseries, P. pungens, P. seriata*, and *P. subpacifica*.

Figure 5 shows the combined *P. delicatissima* group and *P. pseudodelicatissima* concentrations at the five stations from 2007-2013. During this time period, the highest concentrations were observed in 2008 at Deadmans Harbour, Lime Kiln, and the Wolves Islands. Although low levels of domoic acid were detected, no shellfish areas were closed to harvesting during this period. The highest concentration of *P. pseudodelicatissima* from the 5 regularly monitored sites (1987-2013) was observed on August 12, 2008 (1.65×10^6 chains of cells$\cdot L^{-1}$) at the Wolves Islands (Fig. 6).

The greatest diversity or highest numbers of species observed in any one sample day during each year are shown in Table 4. These high numbers also contributed to the degree of difficulty in analyzing samples and increased analysis time per sample.

Results from *M. rubrum* concentrations since 1987 show that concentrations can be elevated during some years (Fig. 7). This species has been observed at concentrations great enough to discolour the water in some years and at many locations not included in our five sampling sites. There appears to be a trend for decreasing high biomass or high cell concentration *M. rubrum* blooms in recent years. As well, the high biomass blooms observed in the early years of the sampling programme in the Passamaquoddy Bay area are not so prevelant in the later years. The higher concentrations tend to have shifted to areas outside Passamaquoddy Bay.

The values for total diatom concentrations during 2007-2011 are plotted on Figure 8. During most years there have been spring and fall diatom blooms, with the highest cell concentrations observed during the fall. One particular species can influence a large peak. For example in 2008, *P. pseudodelicatissima* concentrations >2 million chains of cells$\cdot L^{-1}$ were detected.

Table 4. Greatest number of species observed from 1987 to 2011. *Including mid-Passamaquoddy Bay.

Year	Date of maximum species count	Maximum species count from all 5 stations*	Maximum species count from 4 stations
1987	1987-06-30		40
1988	1988-09-21		65
1989	1989-06-28		79
1990	1990-09-04		72
1991	1991-07-09		59
1992	1992-06-24		53
1993	1993-08-10		61
1994	1994-08-30		66
1995	1995-09-20		65
1996	1996-06-25		63
1997	1997-10-01		68
1998	1998-09-08		69
1999	1999-06-15		74
2000	2000-08-28	87	84
2001	2001-06-26	95	94
2002	2002-08-27	90	88
2003	2003-09-29	92	90
2004	2004-07-19	87	87
2005	2005-06-28	82	79
2006	2006-08-29	87	86
2007	2007-08-28	84	79
2008	2008-09-02	91	90
2009	2009-08-11	84	83
2010	2010-08-03	91	89
2011	2011-08-09	91	90

Seventeen new species of dinoflagellates, twenty-one new diatom species, and nine additional species that included flagellates, small zooplankton, cyanobacteria, and haptophytes have been observed in samples since 1995 (Table 5). These species have been observed during more than one year or annually since the time of first observation. Most species new to the area are cold-temperate species that exist in other regions of the world with ecosystems similar to the Bay of Fundy.

Table 5. New phytoplankton species since 1995. *Indicates species observed since 2007.

Dinoflagellates	**Authority**
Alexandrium pseudogonyaulax	(Biecheler) Horiguchi, Yuki & Fukuyo
Amphidinium carterae	Hurlburt
Amphidinium sphenoides	Wulff
*Ceratium bucephalum**	Cleve
Ceratium macroceros	(Ehrenberg) Vanhoffen
Dissodinium pseudolunula	Swift ex Elbrächter and Drebes
*Gonyaulax alaskensis**	Kofoid
Oblea sp.*	Balech ex Loeblich Jr. & Loeblich III
*Oxytoxum gracile**	Schiller
Polykrikos schwartzii	Butschli
Preperidinium meuneri	(Pavillard) Elbrachter
*Protoceratium reticulatum**	(Claparède & Lachmann) Bütschli
*Protoperidinium americanum**	(Gran & Braarud) Balech
*Protoperidinium cerasus**	(Paulsen) Balech
Protoperidinium crassipes	(Kofoid) Balech
*Protoperidinium granii**	(Ostenfeld) Balech
*Protoperidinium mite**	(Pavillard) Balech
Diatom	
Attheya septentrionalis	(Ostrup) Crawford
Attheya longicornis	Crawford & Gardner
*Chaetoceros peruvianus**	Brightwell
Chaetoceros radicans	Schutt
Cylindrotheca gracilis	(Brebession) Grunow
Grammatophora serpentina	Ralfs (Ehrenberg)
Lithodesmium undulatum	Ehrenberg
Mediopyxis helysia	Kühn, Hargraves & Halliger
Membraneis challengeri	(Grunow) Paddock
*Meridion circulare**	(Greville) C. Agardh
Neodenticula seminae	(R. Simonsen & T. Kanaya) F. Akiba & Y. Yanagisawa
Odontella sinensis	(Greville) Grunow
Proboscia eumorpha	Takahashi, Jordan & Priddle
Pseudo-nitzschia fraudulenta	(Cleve) Hasle
*Pseudo-nitzschia heimii**	Manguin
*Pseudo-nitzschia lineola**	(Cleve) Hasle
Pseudo-nitzschia sub-pacifica	(Hasle) Hasle
*Pseudo-nitzschia turgidula**	(Hustedt) G.R. Hasle
*Thalassiosira conferta**	Hasle
Thalassiosira punctigera	(Castracane) Hasle
*Urosolenia eriensis**	(H.L. Smith) Round & R.M. Crawford
Other	
Apedinella radians	(Throndsen) Throndsen
Chrysochromulina parkeae	Green & Leadbeater
Commation cryoporinum	Thomsen & Larsen
Dictyocysta sp.*	Ehrenberg
Microcystis sp.	Kutzing ex Lemmermann
Phaeocystis pouchetii	(Hariot) Lagerheim
Podon spp.*	Lilljeborg
Polyasterias problematica	(Cleve) Meunier
*Pterosperma vanhoeffenii**	(Jörgensen) Ostenfeld

DISCUSSION

The majority of phytoplankton and smaller zooplankton occur in the Bay of Fundy without causing adverse effects. Prior to 1988, the species of major concern was *A. fundyense*, which is responsible for producing PSP toxins which can result in unsafe levels of toxins in shellfish. It was a well established fact that shellfish harvesting areas are closed to harvesting at some time during the year – generally during the summer months (Prakash et al. 1971). Shellfish are monitored for toxins at regular intervals by the Canadian Food Inspection Agency (through a program initiated in 1944 that is now one of the longest continuous datasets of its kind in the world). Records indicate that shellfish in the Bay of Fundy become toxic every year (Hamer et al. 2012). This is not surprising as the presence of very few cells in a plankton net haul or as few as 200 cells•L^{-1} can result in PSP toxins at a detectable level in shellfish from an adjacent area (Page et al. 2004). Unfortunately, in the early stages of setting up the monitoring program, the wild blue mussel (*Mytilus edulis*) industry was closed to harvesting in 1944 and has never reopened. Data from this monitoring program, as well as toxin uptake and depuration studies, indicate that during a good part of the year it would be possible to harvest mussels that would be safe for consumption and below the regulatory limit for harvesting. In recent years, a carefully regulated cultured blue mussel industry has been established through the Integrated Multi-Trophic Aquaculture (IMTA) program (Haya et al. 2004; Lander et al. 2012). Certain regions, such as Passamaquoddy Bay are potential sites for mussel culture as the numbers of *A. fundyense* cells tend to be lower than in other areas that are more exposed to offshore waters and higher concentrations of *A. fundyense* cells.

Fish kills were experienced in the late 1970s as a result of PSP toxins that had gone through the food chain and ultimately killed hundreds of tonnes of herring held captive in herring weirs. Also, in the mid-1980s, PSP toxins were detected in mackerel and implicated in whale mortalities. Results from the monitoring program indicate that the mid to late 1990s were years with low concentrations of *A. fundyense*. In the early 2000s, the numbers tended to reflect an increasing trend. The massive concentrations observed in the late 1970s and 1980 were again detected and salmon mortalities occurred at aquaculture operations in the Grand Manan region in 2003 (Martin et al. 2006b) and in the Lime Kiln to Beaver Harbour area in 2004 (Burridge et al. 2010). Results from the monitoring program indicate that concentrations in 2003 and 2004 were similar to the concentrations observed in the late 1970s and in 1980 when concentrations as high as one million cells•L^{-1} were observed (Martin and White 1988). The year 2003 was also unusual as *A. fundyense* concentrations peaked in late September and concentrations ranged from 2.9 - 8.8 x 10^5 cells•L^{-1} in the eastern Grand Manan Island region. This resulted in greater than "normal" levels of shellfish toxicity and salmon mortalities (Martin et al. 2008; Burridge et al. 2010). As a result, additional monitoring sites were monitored during 2004 and 2005 (Chang et al. 2005). Observations when high concentrations of *A. fundyense* were in surface waters were that fish tended to concentrate at depth in order to avoid higher surface cell concentrations. Fish were not fed when *A. fundyense* concentrations exceeded 1.0 x 10^5 cells•L^{-1} as there was concern that the fish would rise to the surface to feed exposing them to the higher densities. During the 2004 event that affected salmon, daily samples were also collected by industry from two areas and showed that *A. fundyense* concentrations exceeded 1.0 x 10^5 cells•L^{-1} at one location for more than 25 days from late July through mid August. The highest concentration observed from those sites was greater than one million cells•L^{-1} in mid August. Industry counts at an adjacent affected site exceeded 3 million cells•L^{-1}. As in 2003, the bloom was patchy and tended to concentrate in surface waters.

Further evidence of the abnormally high concentrations of *A. fundyense* cells during 2003-04 was seen in the levels of PSP toxins in wild shellfish which were higher than normal during the 2 yr. PSP toxins detected in blue mussels (*Mytilus edulis*) from Grand Manan Island were >4 000 µg STX equiv. 100 g^{-1} tissue on September 15, 2003. On August 2, 2004, a tourist became ill after collecting and consuming blue mussels (18 080 µg STX equiv. 100 g^{-1} cooked tissue) from a salmon site that was experiencing mortalities.

Although our dataset showed highest concentrations in 2007 and 2008 (Fig. 2, 3, 4), high *A. fundyense* concentrations were detected in areas not sampled as part of our regular monitoring during some years - such as 2003 and 2004. The 2007 and 2008 high numbers observed were also not in areas where salmon aquaculture operations were present and therefore the industry was not affected. The 2009 elevated concentrations at Brandy Cove coincided with abnormally high concentations and red water observations along the northern coast of Maine (McGillicuddy Jr. et al. 2014).

Results from regular monitoring of *A. fundyense* cell densities since 1988 suggest that there tends to be great interannual variability and there are years with high concentrations (greater than 50 000 cells•L^{-1}). There can be periods with fewer cells such as 1996-2000 and 2005-2006 – years prior to and immediately following the massive blooms (Page et al. 2006; Martin et al. 2006b, 2008). These data suggest that the extremely high concentrations observed in 2003-04 and 2007-08 are periodic events although, as White (1987) suggested, there are documented periods of higher toxicities (mid 1940s, early 1960s, and late 1970s). This suggests that the salmon industry could be subjected to high concentrations again in the future, but not necessarily every year.

Preliminary results indicate that bloom intensity of *A. fundyense* is weather related. During summers associated with a high number of days with conditions associated with fog, *A. fundyense* concentrations tend to be greater. Additionally, *A. fundyense* cells do not appear to favour conditions associated with prolonged sunshine (such as 2012) or extended periods of rain (2013).

Since 1987, shellfish harvesting areas have only been closed to harvesting in the region during 1988 and 1995 due to unsafe levels of domoic acid. During those years, concentrations of *P. pseudodelicatissima* or the *P. delicatissima* group exceeded one million chains of cells•L^{-1} in areas adjacent to shellfish harvesting areas. During 1988, this occurred in August in the Passamaquoddy Bay region, an area not monitored through this monitoring programme at the time. In 1995, shellfish harvesting areas outside Passamaquoddy Bay were affected and through this study 1.53 x 10^6 chains of cells•L^{-1} were observed at Deadmans Harbour in late August. Highest concentrations of the *P. delicatissima* group tend to be detected during late summer or August/September. Although high concentrations were observed in 2005, 2006, and 2008, no shellfish harvesting areas were closed to harvesting as a result of unsafe levels of domoic acid during those years. This may have been due to the fact that the high concentrations were not present in inshore areas where shellfish harvesting areas are located.

The *P. delicatissima* group of cells, which includes *P. pseudodelicatissima* and *P. delicatissima*, has been observed at concentrations greater than 10 000 cells•L^{-1} during each year of the sampling. Records from 1987-2013 show that concentrations exceeding one million chains of cells•L^{-1} in 1988 and 1995 were associated with domoic acid production (when shellfish exceeded the regulatory limit for domoic acid). Highest concentrations observed in the 7-yr period of this study were 1.65 x 10^6 cells•L^{-1} at Wolves surface on August 12, 2008.

Prior to the expansion of the aquaculture industry into the Passamaquoddy Bay area, it was perceived that *M. rubrum* blooms and associated red water in the area were not toxic and did not cause harm. However, as a result of the high concentrations that have drifted through the net pens in the region, it has been suggested that *M. rubrum* may contribute to stress and mortalities through secondary effects such as asphyxiation due to oxygen depletion (Martin et al. 2001), or perhaps excess oxygen (R.L. Peterson, pers. commun.). Affected salmon exhibited symptoms of stress associated with low or excess oxygen resulting from a combination of the red tide, decreased currents, and elevated temperatures. Oceanographic processes controlling phytoplankton dynamics in the area indicate that upper Passamaquoddy Bay waters are suitable for high primary production and the generation of red tides as a result of the area being shallow, warm, having low flushing rates, and stratification in August (Trites and Garrett 1983; Fred Page, Biological Station, 531 Brandy Cove Road, St. Andrews, NB E5B 2L9, pers. commun.). This phenomenon of water discolouration as a result of high concentrations of *M. rubrum* has been observed in both the presence and absence of aquaculture – for example, red-water sightings prior to 2001 were observed during 1975, '77, '79, '89, '93, '98, '99, and 2000 (White et al. 1977; Jennifer Martin, Biological Station, 531 Brandy Cove Road, St. Andrews, NB E5B 2L9, pers. commun.). Although results from the Brandy Cove monitoring site indicate that *M. rubrum* occurs annually in the region, it was found that it rarely forms dense aggregates in the Saint Croix River; therefore, the mid-Passamaquoddy Bay site has been better suited to studying northern Passsamaquoddy Bay blooms.

Red tides caused by the organism *M. rubrum* were observed in Passamaquoddy Bay during late summer in several years. During many of the red-water events, brick-red patches of cells were observed drifting through some salmon farms. *M. rubrum* concentrations observed in water samples collected from waters with discolouration exceeded one million cells•L^{-1} and resulted in the salmon aquaculture industry being impacted by algal blooms again in northern Passamaquoddy Bay when low level mortalities were observed (Martin et al. 2007). Although red tides of *M. rubrum* had been observed in this area in previous years, the number of aquaculture operations in the area was minimal;

however, numbers of sites increased in the fall of 1997 as a result of sites relocating from the Lime Kiln area. In recent years, the number of operations has decreased, and no mortalities have been reported. Additionally the observed numbers of *M. rubrum* in Passamaquoddy Bay have been lower in recent years. Our data also shows that the high biomass blooms observed earlier in the study experienced a shift to regions outside Passamaduoddy Bay.

Species that have been observed in the Bay of Fundy that have been known to cause problems elsewhere in Canada or the world include: *Dinophysis* spp. (Fernández et al. 1998), *Prorocentrum* spp. (Lawrence et al. 1998; Levasseur et al. 2003) (diarrhetic shellfish toxins); *C. convolutus*, *C. concavicornis* (Horner et al. 1990, 1997), *Gyrodinium aureolum* (Dahl and Tangen 1990, 1993; Romdhane et al. 1998), and *L. minimus* (Clément and Lembeye 1993; Albright et al. 1993) (salmon mortalities). Although these species are known to occur each year in the Fundy region, there have not been any documented incidents of harmful effects to date.

Phytoplankton transport and relocation to other regions of the world are a major concern, especially for HABs. A number of vectors implicated in transport include: changes in hydrography, currents and winds, hull fouling, movement of live shellfish, and shipping. Species "new" to the Bay of Fundy were previously reported in Martin and LeGresley (2008). Following this report, Klein et al. (2010) highlighted characteristics of these species and composed a biological synopsis in order to evaluate the potential risks for introduction to major ports in Canada. Since 2007, an additional eighteen "new" species have been detected (Table 5). This further emphasizes the importance of baseline data for a region in determining introduced species. In our study, we used 1987-1994 for establishing our baseline. With intensified concerns and awareness throughout the world about the global spread of non-indigenous species the importance of long-term time series is being identified as critical.

Unfortunately we are unable to predict phytoplankton densities from year to year. We are, however, able to provide an early warning to industry and regulatory agencies of the progress of a particular bloom. Results have shown that it is important to understand that every species is unique and information particular to one species cannot be applied to another – especially when trying to determine mitigation measures. Monitoring indicates wide interannual variation in density of populations and the necessity to monitor, at the very least weekly, in order to provide an early warning. In addition, as industries expand and new industries are introduced, environmental monitoring is essential. A number of parameters such as environmental data, phytoplankton community structure, and trend analyses are being examined to further understand patterns and trends.

In the future, should fish pens be located in areas prone to red tides, we recommend monitoring during the period when red tides are common. For this particular region, this is generally in late summer. For areas with little historical data, if water discoloration is observed, monitoring should be initiated. Identification of the causative organism is essential as every species is unique and behavioral patterns can differ according to species and geographic location. As the upper Passamaquoddy Bay is susceptible to red tides, it is recommended that if net pens are located in these waters that phytoplankton be monitored, at minimum, on a weekly basis and authorized personnel notified of water discoloration for research and advice on mitigation techniques. Results of the monitoring program indicate the importance of phytoplankton measurement. Additional knowledge of the physical oceanography of the area would contribute towards better understanding events such as bloom initiation, transport, and decay.

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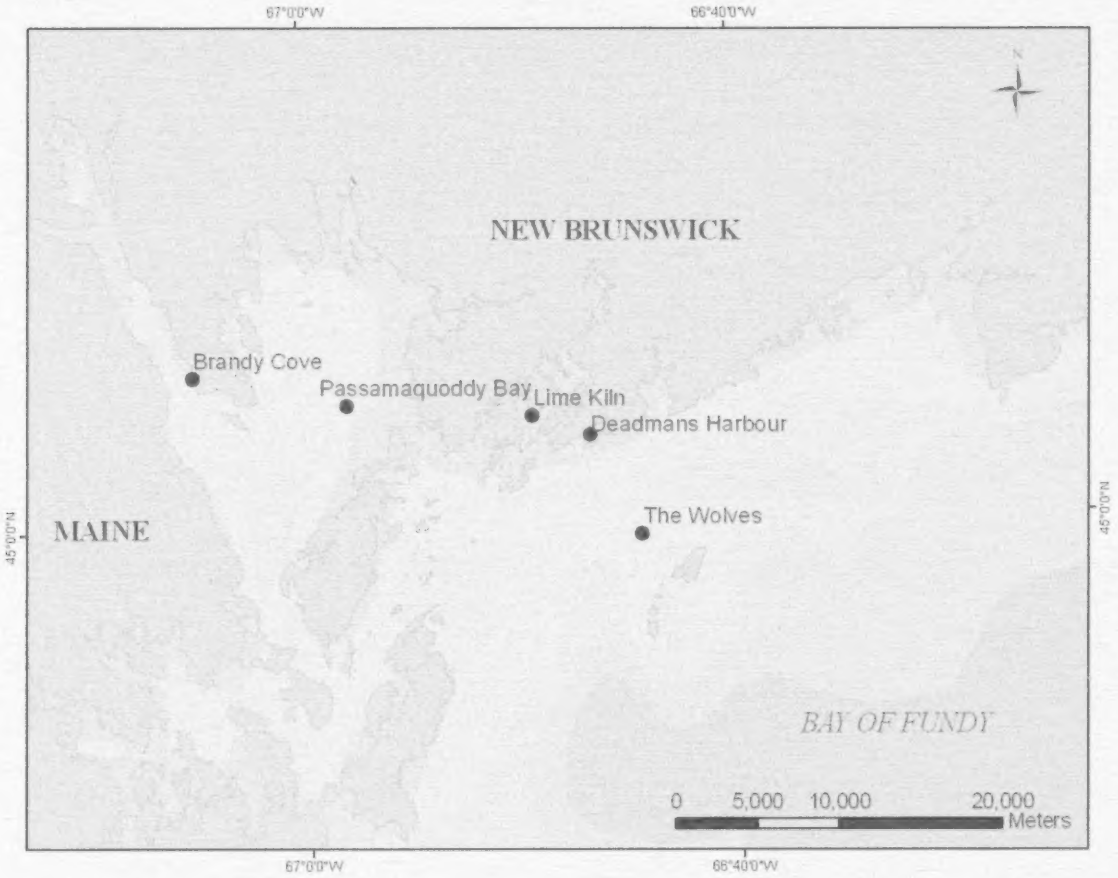

Fig. 1. Map showing the five sampling stations: Brandy Cove (#17), Passamaquoddy Bay (#25), Lime Kiln (#3), Deadmans Harbour (#15), and The Wolves (#16).

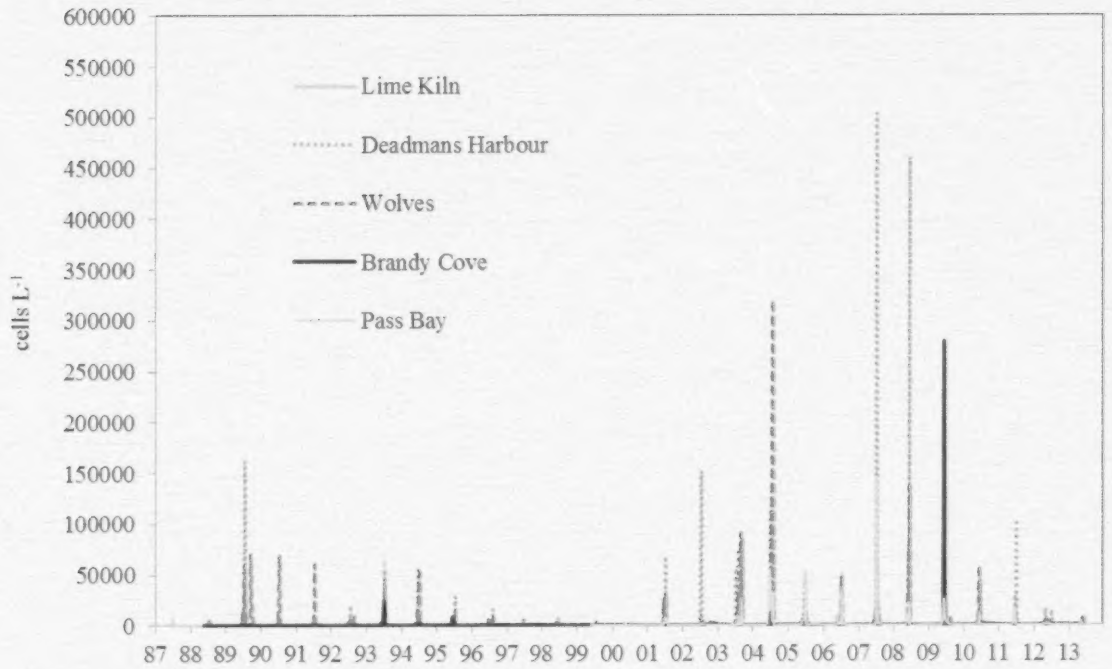

Fig. 2. *Alexandrium fundyense* concentrations (in cells•L^{-1}) from the 5 stations (1987-2013). Lime Kiln was initiated in 1987 and Mid-Passamaquoddy Bay (Pass Bay) was initiated in 1999.

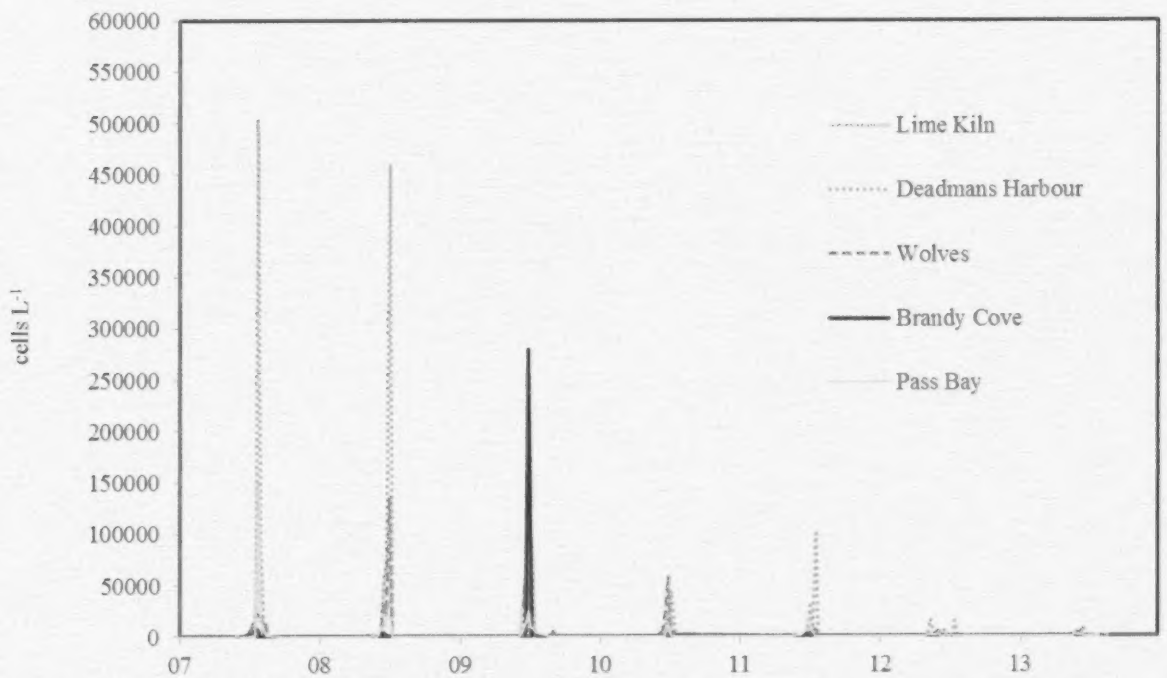

Fig. 3. *Alexandrium fundyense* concentrations (in cells•L^{-1}) from the 5 stations (2007-2013).

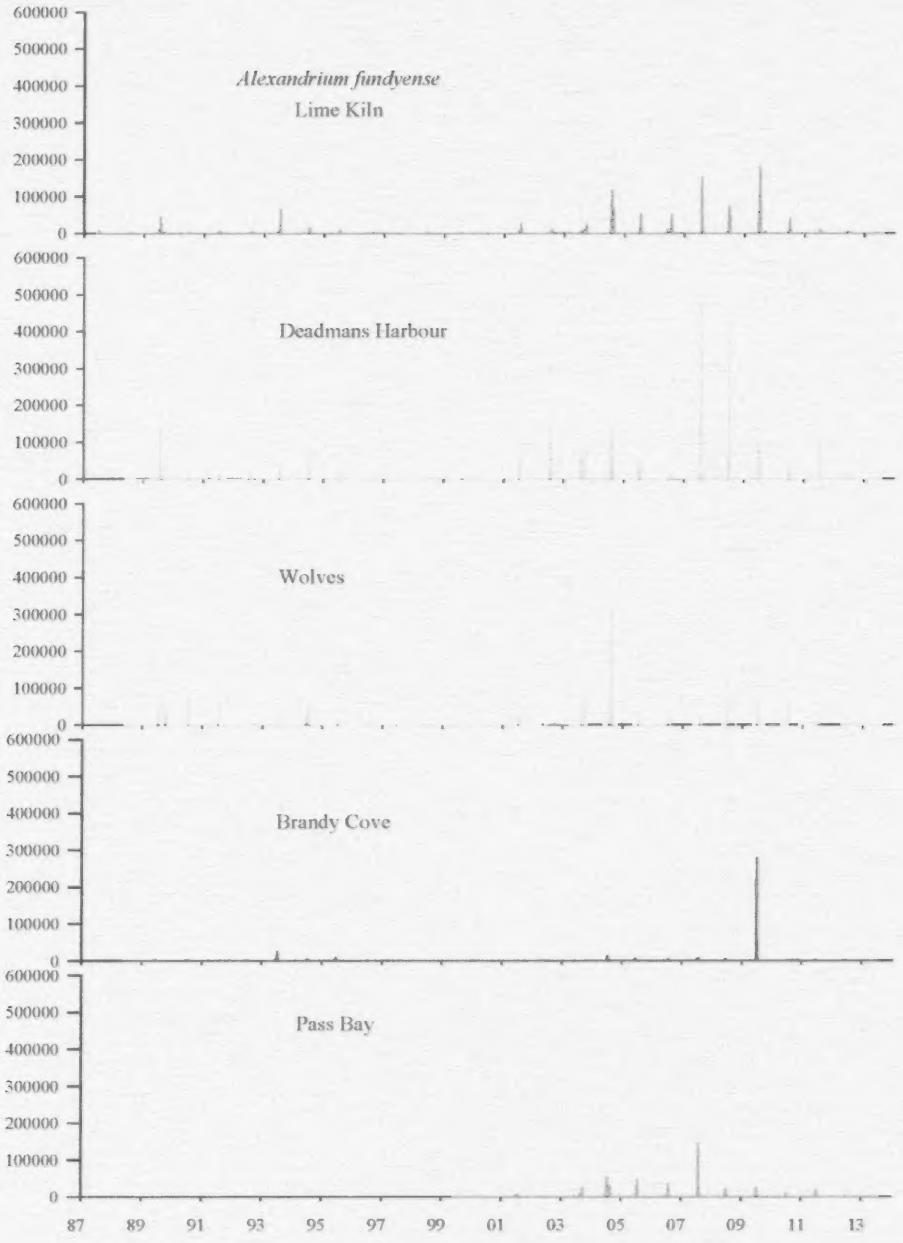

Fig. 4. *Alexandrium fundyense* concentrations (in cells•L^{-1}) from the 5 stations (1987-2013).

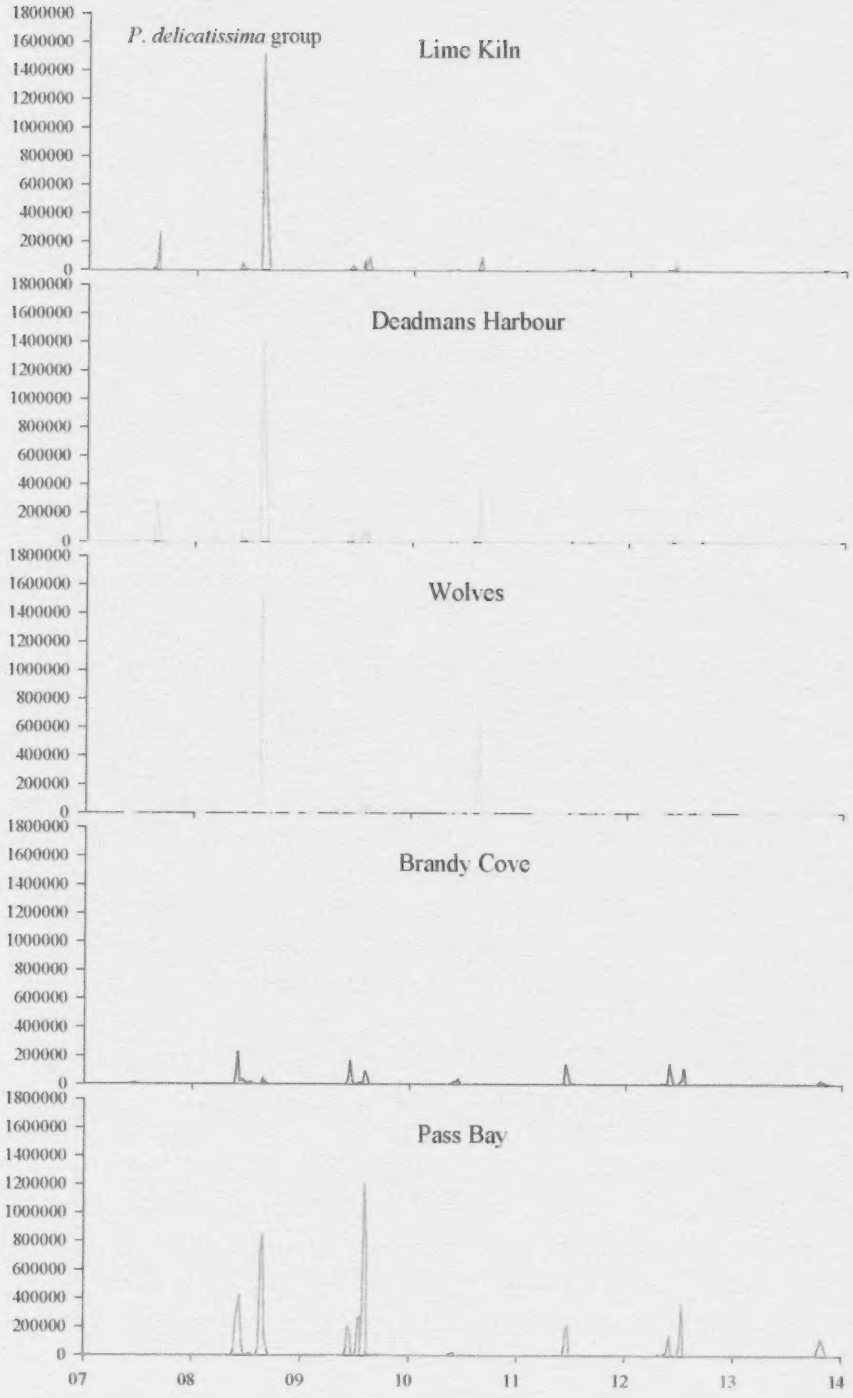

Fig. 5. *Pseudo-nitzschia delicatissima* group concentrations (in chains of cells•L^{-1}) from the 5 stations (2007-2013).

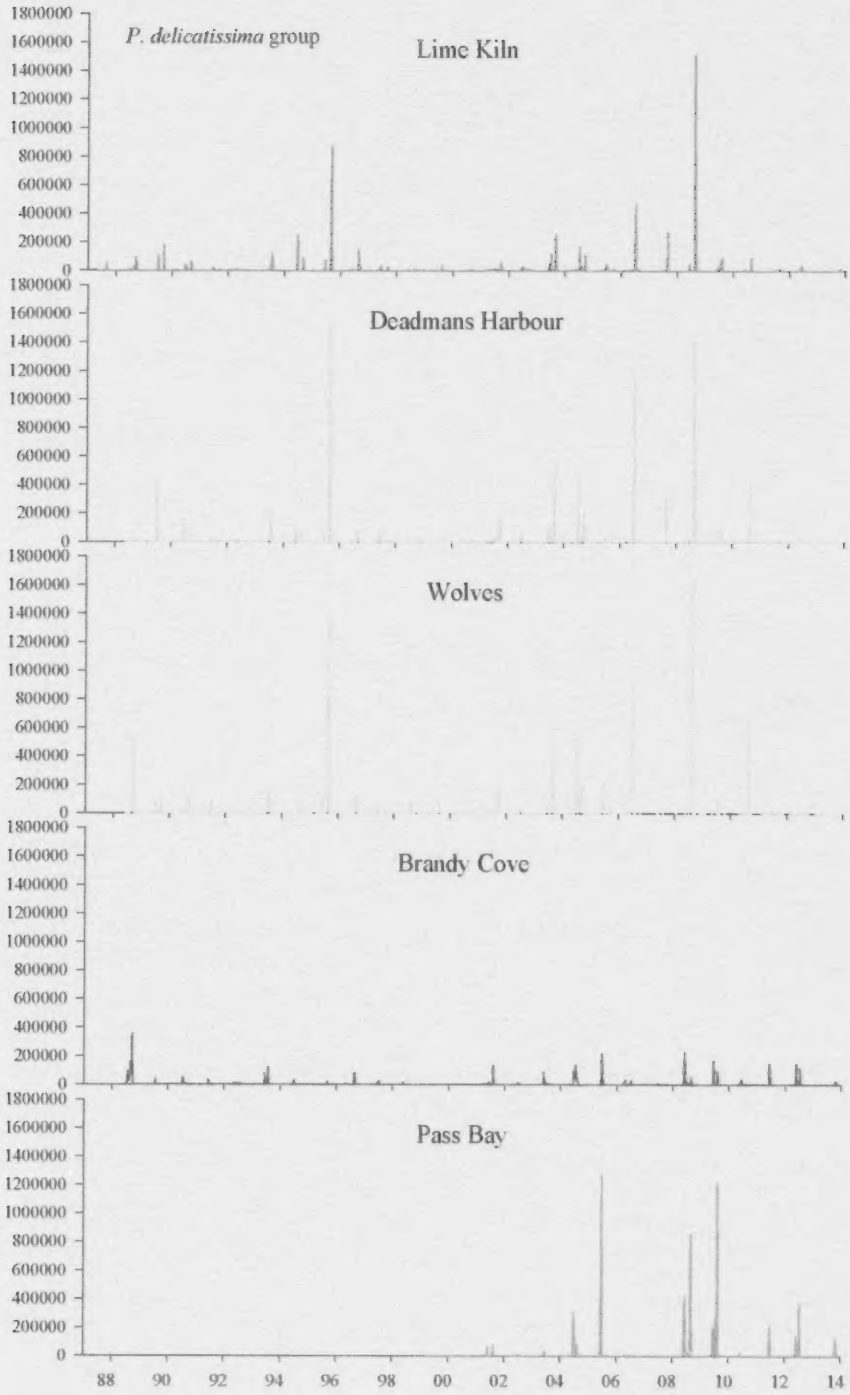

Fig. 6. *Pseudo-nitzschia delicatissima* group concentrations (in chains of cells•L^{-1}) from the 5 stations (1987-2013).

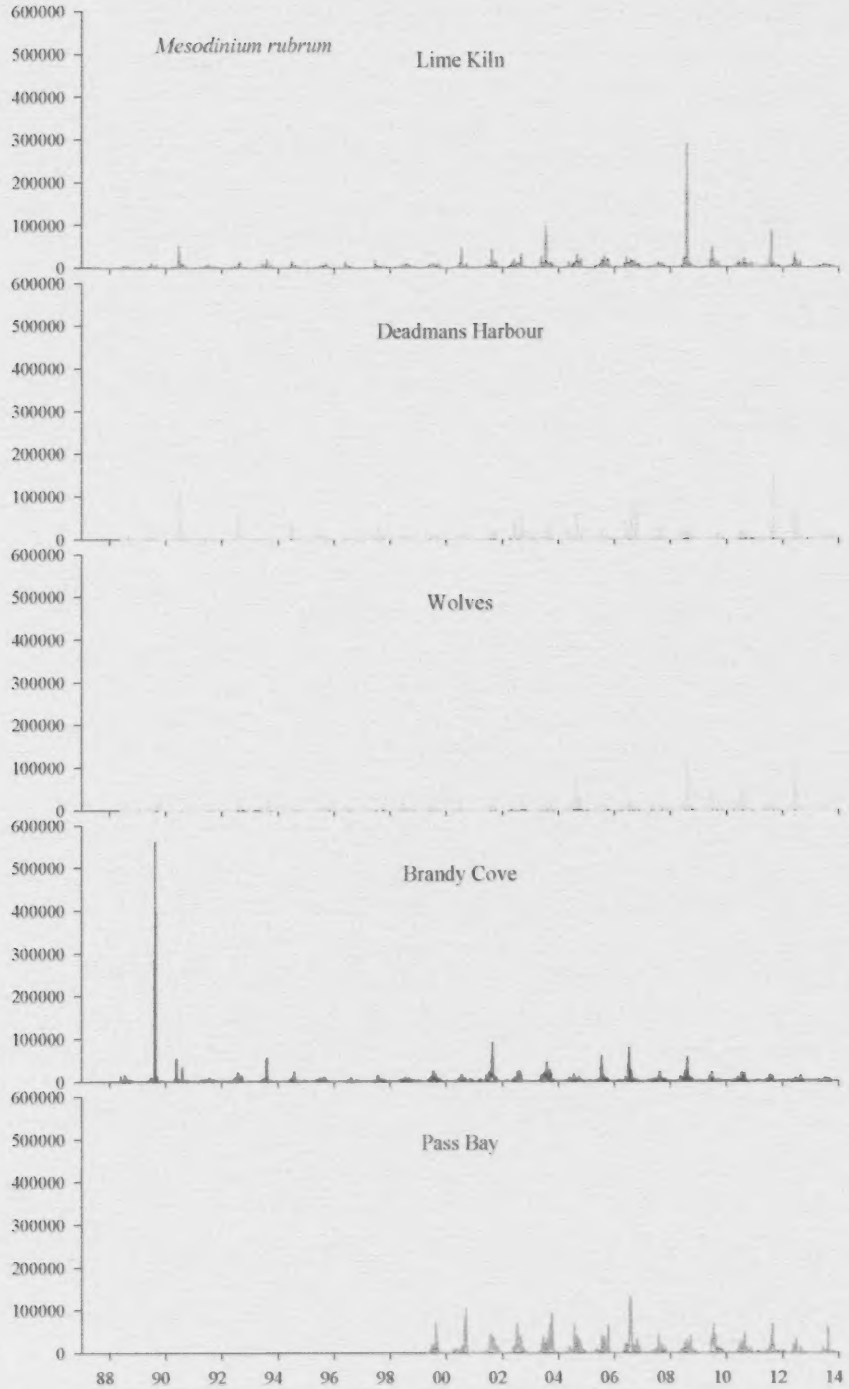

Fig. 7. *Mesodinium rubrum* concentrations (in cells•L^{-1}) from the 5 stations (1987-2013).

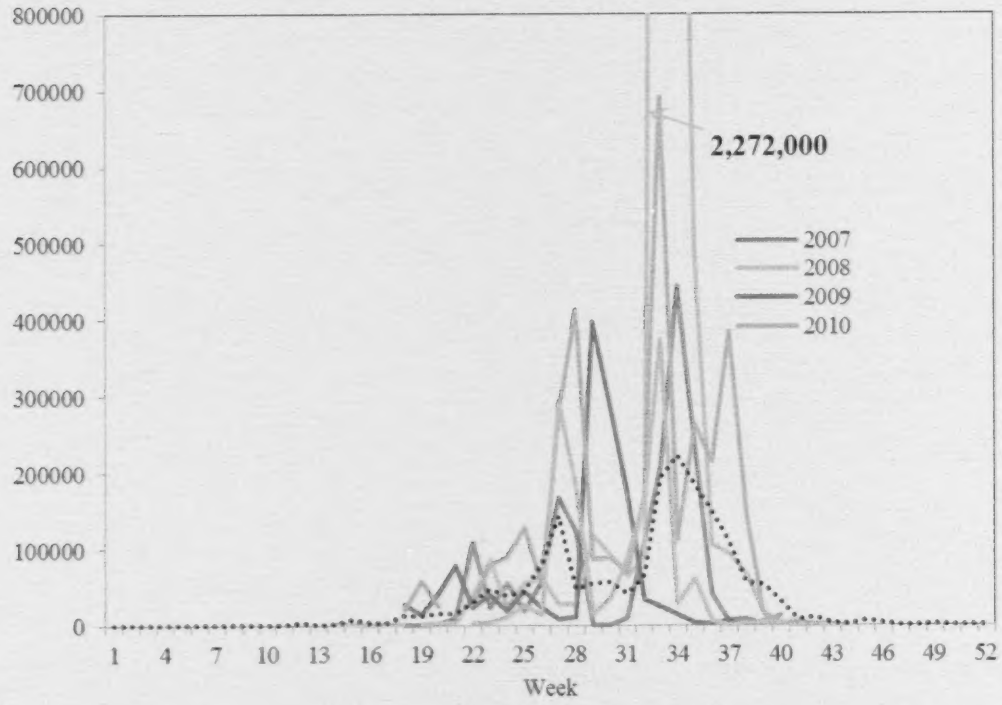

Fig. 8. Weekly sum of total diatoms at the Wolves Islands between 2007 and 2011.

Appendix 1. Species observed during 2007 – 2011. *Indicates species added to list since 2007.

Species (2007-2011)	Authority	Previously identified as
Acanthostomella norvegica	(Daday) Jörgensen	
Achnanthes sp.	Bory de Saint-Vincent	
Actinoptychus senarius	(Ehrenberg) Ehrenberg	*Actinoptychus undulatus*
Alexandrium fundyense [1]	Balech	
Alexandrium ostenfeldii	(Paulsen) Balech & Tangen	
Alexandrium pseudogonyaulax	(Biecheler) Horiguchi ex Kita & Fukuyo	
Amphidinium carterae	Hulburt	
Amphidinium sphenoides	Wulff	
Amylax triacantha	(Jörgensen) Sournia	*Gonyaulax triacantha*
Apedinella radians	(Throndsen) Throndsen	*Apedinella spinifera; Apedinella* sp.
Armoured dinoflagellate		
Asterionella formosa	Hassall	
Asterionellopsis glacialis	(Castracane) Round	*Asterionella japonica*
Asteroplanus karianus	(Grunow) C.Gardner & R.M.Crawford	*Asterionellopsis kariana; Asterionella kariana*
Attheya longicornis	Crawford & Gardner	
Attheya septentrionalis	(Ostrup) Crawford	
Attheya spp.	West	
Aulacoseira ambigua	(Grunow) Simonsen	*Melosira ambigua*
Aulacoseira granulata	(Ehrenberg) Simonsen	*Melosira granulata*
Bacillaria paxillifera	(O.F. Müller) Hendey	*Bacillaria paradoxa; Bacillaria paxillifer*
Biddulphia alternans	(J.W.Bailey) Van Heurck	*Triceratium alternans*
Brachionus spp.	Pallas	
Calliacantha sp.	Leadbeater	
Centric diatom		
Cerataulina pelagica	(Cleve) Hendey	
*Ceratium bucephalum**	Cleve	*Ceratium symmetricum*
Ceratium furca	(Ehrenberg) Clarapède & Lachmann	
Ceratium fusus	(Ehrenberg) Dujardin	
Ceratium horridum	(Cleve) Gran	
Ceratium lineatum	(Ehrenberg) Cleve	
Ceratium longipes	(Bailey) Gran	
Ceratium macroceros	(Ehrenberg) Vanhöffen	
Ceratium minutum	Jörgensen	
Ceratium spp.	Schrank	
Ceratium tripos	(O.F. Müller) Nitzsch	
Chaetoceros affinis	Lauder	
Chaetoceros atlanticus	Cleve	
Chaetoceros borealis	Bailey	
Chaetoceros brevis	Schütt	
Chaetoceros concavicornis	Mangin	
Chaetoceros constrictus	Gran	

Species (2007-2011)	Authority	Previously identified as
Chaetoceros contortus	Schütt	*Chaetoceros compressus*
Chaetoceros convolutus	Castracane	
Chaetoceros convolutus / concavicornis		
Chaetoceros convolutus f. *trisetosa*	J.F. Brunel	*Chaetoceros convolutus* var. *trisetosa*
Chaetoceros danicus	Cleve	
Chaetoceros debilis	Cleve	
Chaetoceros decipiens	Cleve	
Chaetoceros densus	(Cleve) Cleve	
Chaetoceros diadema	(Ehrenberg) Gran	
Chaetoceros didymus	Ehrenberg	
Chaetoceros filiformis	Meunier	
Chaetoceros furcellatus	Bailey	
Chaetoceros laciniosus	Schütt	
Chaetoceros lorenzianus	Grunow	
*Chaetoceros peruvianus**	Brightwell	
Chaetoceros pseudobrevis	Pavillard	
Chaetoceros pseudocrinitus	Ostenfeld	*Chaetoceros ingolfianus*
Chaetoceros radicans	Schütt	
Chaetoceros similis	Cleve	
Chaetoceros simplex	Ostenfeld	
Chaetoceros socialis	Lauder	
Chaetoceros spp. (Hyalochaete)	Gran	
Chaetoceros spp. (Phaeoceros)	Gran	
Chaetoceros subtilis	Cleve	
Chaetoceros tenuissimus	Meunier	
Chaetoceros teres	Cleve	
Chrysochromulina parkeae	Green & Leadbeater	
Commation cryoporinum	Thomsen & Larsen	
Copepoda	Milnes-Edwards	
Corethron hystrix	Hensen	*Corethron criophilum*
Coscinodiscus centralis	Ehrenberg	
Coscinodiscus concinnus	Wm. Smith	
Coscinodiscus radiatus	Ehrenberg	*Coscinodiscus* sp. (60 um)
Coscinodiscus spp.	Ehrenberg	
Coscinodiscus wailesii	Gran & Angst	
Cyclotella spp.	(Kützing) Brébisson	
Cylindrotheca closterium	(Ehrenberg) Lewin & Reimann	*Nitzschia closterium*
Cylindrotheca gracilis	(Brébisson ex Kützing) Grunow	
Dactyliosolen fragilissimus	(Bergon) Hasle	*Rhizosolenia fragilissima*
Detonula confervacea	(Cleve) Gran	*Detonula cystifera*
Dictyocha fibula	Ehrenberg	
Dictyocha speculum	Ehrenberg	*Distephanus speculum*
Dictyocysta sp.*	Ehrenberg	
Dinobryon spp.	Ehrenberg	

Species (2007-2011)	Authority	Previously identified as
Dinophysis acuminata	Claparède & Lachmann	
Dinophysis acuta	Ehrenberg	
Dinophysis caudata	Saville-Kent	
Dinophysis dens	Pavillard	
Dinophysis fortii	Pavillard	
Dinophysis norvegica	Claparède & Lachmann	
Dinophysis pulchella	(Lebour) Balech	*Phalacroma pulchellum*
Dinophysis rotundata	Claparède & Lachmann	*Phalacroma rotundatum*
Dinophysis spp.	Ehrenberg	
Dinophysis tripos	Gourret	
Dissodinium pseudolunula	Swift ex Elbrächter and Drebes	*Pyrocystis lunula*
Ditylum brightwellii	(West) Grunow	*Ditylum brightwelli*
Ebria tripartita	(Schumann) Lemmermann	
Entomoneis spp.	Ehrenberg	*Amphiprora* sp.
Eucampia groenlandica	Cleve	
Eucampia spp.	Ehrenberg	
Eucampia zodiacus	Ehrenberg	*Eucampia zoodiacus*
Eutintinnus sp.	Kofoid & Campbell	
Eutreptiella sp.	A.da Cunha	*Eutreptia/Eutreptiella*
Favella spp.	Jörgensen	
Fragilaria spp.	Lyngbye	
*Gonyaulax alaskensis**	Kofoid	
Gonyaulax digitale	(Pouchet) Kofoid	
Gonyaulax spinifera	(Claparède & Lachmann) Diesing	
Grammatophora marina	(Lyngbye) Kützing	
Guinardia delicatula	(Cleve) Hasle	*Rhizosolenia delicatula*
Guinardia flaccida	(Castracane) Peragallo	
Guinardia striata	(Stolterfoth) Hasle	*Rhizosolenia stolterfothii*
Gymnodinium spp.	Stein	
Gyrodinium aureolum	Hulburt	
Gyrodinium spp.	Kofoid & Swezy	
Gyrosigma balticum	(Ehrenberg) Rabenhorst	*Gyrosigma baltica*
Gyrosigma fasciola	(Ehrenberg) Griffith & Henfrey	
Gyrosigma littorale	(W. Smith) Griffith & Henfrey	
Gyrosigma spp.	Hassall	
Gyrosigma tenuissimum	(W. Smith) Griffith & Henfrey	*Gyrosigma tennuissimum*
Helicostomella spp.	Jörgensen	
Helicotheca tamesis	(Shrubsole) Ricard	*Streptotheca thamensis*
Heterocapsa triquetra	(Ehrenberg) Stein	*Peridinium triqueta*
Hexasterias problematica	Cleve	*Polyasterias problematica*
Laboea sp.	Lohmann	
Lauderia annulata	Cleve	*Lauderia borealis*
Lennoxia faveolata	Thomsen & Buck	
Leptocylindrus danicus	Cleve	

Species (2007-2011)	Authority	Previously identified as
Leptocylindrus mediterraneus	(H. Peragallo) Hasle	
Leptocylindrus minimus	Gran	
Licmophora spp.	C.A. Agardh	*Lycmophora lyngbyei*
Mediopyxis helysia	Kühn, Hargraves & Halliger	
Melosira monoliformis	(Müller) Agardh	
Melosira nummuloides	C.A. Agardh	
Membraneis challengeri	(Grunow) Paddock	*Plagiostris* sp.; *Tropidoneis* sp.
*Meridion circulare**	(Greville) C. Agardh	
Meringosphaera mediterranea	Lohmann	
Mesodinium rubrum	Lohmann	
Micracanthodinium claytonii	(Holmes) Dodge	
Navicula distans	(W. Smith) Ralfs	*Navicula* sp.
Navicula transitans var. *derasa*	(Grunow) Cleve	
Navicula transitans var. *derasa* f. *delicatula*	Heimdal	
Notholca spp.	Gosse	
Oblea sp.*	Balech ex Loeblich Jr.& Loeblich III	
Odontella aurita	(Lyngbye) Agardh	*Biddulphia aurita*
Odontella obtusa	(Kützing)	*Biddulphia obtusa*
Odontella regia	(Schultze) Simonsen	*Biddulphia regia*
Odontella sinensis	(Greville) Grunow	
Odontella spp.	C.A. Agardh	*Biddulphia* sp.
*Oxytoxum gracile**	Schiller	
Oxytoxum laticeps	Schiller	
Oxytoxum spp.	Schiller	
Parafavella spp.	Kofoid & Campbell	
Paralia sulcata	(Ehrenberg) Cleve	*Paralia marina*
Pennate diatom		
Peridinium limbatum	(Stokes) Lemmermann	
Phaeocystis pouchetii	(Hariot) Lagerheim	
Pleurosigma / Gyrosigma		
Pleurosigma angulatum	(Quekett) W. Smith	
Pleurosigma strigosum	W. Smith	*Pleurosigma angulatum* var. *strigosa*
Podon spp.*	Lilljeborg	
Polykrikos spp.	Bütschli	
Porosira glacialis	(Grunow) Jörgensen	
Preperidinium meuneri	(Pavillard) Elbrächter	
Proboscia alata	(Brightwell) Sundström	*Rhizosolenia alata*
Prorocentrum micans	Ehrenberg	
Prorocentrum minimum	(Pavillard) Schiller	
Prorocentrum sp. (small)	Ehrenberg	
*Protoperidinium americanum**	(Gran & Braarud) Balech	
Protoperidinium bipes	(Paulsen) Balech	*Minuscula bipes*
Protoperidinium brevipes	(Paulsen) Balech	
*Protoperidinium cerasus**	(Paulsen) Balech	

Species (2007-2011)	Authority	Previously identified as
Protoperidinium conicum	(Gran) Balech	*Peridinium conicum*
Protoperidinium crassipes	(Kofoid) Balech	
Protoperidinium denticulatum	(Gran & Braarud) Balech	*Peridinium denticulatum*
Protoperidinium depressum	(Bailey) Balech	*Peridinium depressum*
Protoperidinium excentricum	(Paulsen) Balech	*Peridinium excentricum*
*Protoperidinium granii**	(Ostenfeld) Balech	
*Protoperidinium mite**	(Pavillard) Balech	
Protoperidinium oblongum	(Aurivillius) Parke & Dodge	*Peridinium oblongum*
Protoperidinium ovatum	Pouchet	*Peridinium ovatum*
Protoperidinium punctulatum	(Paulsen) Balech	
Protoperidinium spp.	Bergh	*Peridinium* sp.
Protoperidinium steinii	(Jörgensen) Balech	
Pseudo-nitzschia americana	(Hasle) Fryxell	*Nitzschia* sp.
Pseudo-nitzschia delicatissima	(Hasle) Fryxell	
Pseudo-nitzschia delicatissima group		
Pseudo-nitzschia fraudulenta	(Cleve) Hasle	
Pseudo-nitzschia pseudodelicatissima	(Hasle) Hasle	
Pseudo-nitzschia pungens	(Grunow ex Cleve) Hasle	
Pseudo-nitzschia seriata	(Cleve) H.Peragallo	
Pseudo-nitzschia seriata group		
Pseudo-nitzschia subpacifica	(Hasle) Hasle	
*Pseudo-nitzschia turgidula**	(Hustedt) G.R.Hasle	
Pterosperma sp.	(Hustedt) G.R.Hasle	
*Pterosperma vanhoeffenii**	(Jörgensen) Ostenfeld	
Ptychocylis spp.	Brandt	
Rhabdonema spp.	Kützing	
Rhizosolenia hebetata f. *semispina*	(Hensen) Gran	*Rhizosolenia hebetata*
Rhizosolenia imbricata	Brightwell	*Rhizosolenia shrubsolei*
Rhizosolenia setigera	Brightwell	
Rhizosolenia spp.	Brightwell	
Rhizosolenia styliformis	Brightwell	
Salpingella spp.	Jörgensen	
Scrippsiella sp.	Balech ex Loeblich II	
Scrippsiella trochoidea	(Stein) Loeblich III	
Skeletonema costatum	(Greville) Cleve	
Stephanopyxis turris	(Greville) Ralfs	
Striatella unipunctata	(Lyngbye) Agardh	
Strobilididae		*Strombilidinium* sp.
Synedra spp.	Ehrenberg	
Tabellaria spp.	Ehrenberg ex Kützing	
Thalassionema nitzschioides	(Grunow) Mereschkowsky	*Thalassiothrix nitzschiodes*
Thalassiosira anguste-lineata	(A. Schmidt) Fryxell & Hasle	*Thalassiosira auguste-lineata; Coscinosira polychorda*
Thalassiosira baltica	(Grunow) Ostenfeld	
Thalassiosira bioculata	(Grunow) Ostenfeld	

Species (2007-2011)	Authority	Previously identified as
Thalassiosira bioculata var. *exigua*	(Grunow) Hustedt	
*Thalassiosira conferta**	Hasle	
Thalassiosira gravida	Cleve	
Thalassiosira hyalina	(Grunow) Gran	
Thalassiosira nordenskioeldii	Cleve	
Thalassiosira oestrupii	(Ostenfeld) Hasle	
Thalassiosira punctigera	(Castracane) Hasle	*Thalassiosira punctifera*
Thalassiosira sp. (tiny)		
Thalassiosira spp.	Cleve	
Thalassiothrix longissima	Cleve & Grunow	
Tintinnida	Kofoid & Campbell	
Tintinnopsis beroidea	Stein	
Tintinnopsis campanula	Ehrenberg	
Tintinnopsis spp.	Stein	
Unarmoured dinoflagellate		
*Urosolenia eriensis**	(H.L.Smith) Round & R.M.Crawford	

[1]**Lifestages of *Alexandrium fundyense***

Alexandrium fundyense (cyst)
Alexandrium fundyense (duplet)
Alexandrium fundyense (fusing)
Alexandrium fundyense (planozygote)
Alexandrium fundyense (quadruplet)
Alexandrium fundyense (triplet)

Appendix 2. Phytoplankton densities as number of cells•L^{-1} in 2007-2011.

16-Jan-07	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Actinoptychus senarius					160			
Amphidinium carterae								20
Armoured dinoflagellate			60				20	100
Asterionellopsis glacialis		60	60		40		20	
Aulacoseira ambigua		20						
Centric diatom				80				
Cerataulina pelagica			20					
Chaetoceros simplex							20	
Chaetoceros spp. (Hyalochaete)		20			40			100
Commation cryoporinum								20
Copepoda				360	40			260
Corethron hystrix		60	40		40		20	40
Coscinodiscus spp.	20	40	40		80		20	
Cylindrotheca closterium	300	300	800	280	240	160	660	640
Dactyliosolen fragilissimus	20			40				
Dictyocha speculum				40			40	60
Dinobryon spp.							20	
Ditylum brightwellii	140	220	140	200	400	280	280	180
Eutreptiella sp.								40
Guinardia delicatula	60	60	100				60	20
Gyrodinium spp.		40			40		20	
Gyrosigma tenuissimum					40			
Heterocapsa triquetra								20
Laboea sp.		20	20					
Leptocylindrus minimus		20	20					20
Melosira nummuloides	40							
Mesodinium rubrum	320	620	1880	200		80	240	1540
Navicula distans	20		20				20	
Navicula transitans var. *derasa*	20							
Navicula transitans var. *derasa* f. *delicatula*			20	40				
Notholca spp.	20	40						60
Odontella sinensis			20		40	80		20
Paralia sulcata				40				20
Pennate diatom	80	80	100	120	160	80	180	240
Pleurosigma angulatum						40		
Pleurosigma strigosum	20			40	40			
Prorocentrum micans		20						
Prorocentrum minimum								20
Protoperidinium spp.						40	20	
Pseudo-nitzschia delicatissima group		40		80		120	120	
Pseudo-nitzschia pseudodelicatissima					80			40
Rhizosolenia hebetata f. *semispina*						40		
Rhizosolenia setigera		20					20	
Skeletonema costatum					40		20	
Thalassionema nitzschioides		20	60		200			
Thalassiosira baltica		40			40	40		40
Thalassiosira gravida	20			120	80	200	20	60
Thalassiosira nordenskioeldii					40			
Thalassiosira punctigera						40	20	

16-Jan-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira spp.	160	140	140	200	120	120	60	60
Tintinnida	80	100	40	40		80	60	160
Unarmoured dinoflagellate				40			100	
12-Feb-07								
Achnanthes sp.								20
Armoured dinoflagellate	20					40	20	60
Asterionellopsis glacialis	20	100	80	40		40		
Chaetoceros convolutus f. *trisetosa*			20					
Chaetoceros danicus								20
Chaetoceros debilis								40
Chaetoceros furcellatus						40		
Chaetoceros spp. (Hyalochaete)	80	60	20				40	40
Commation cryoporinum	20							
Corethron hystrix	40	60	100					20
Coscinodiscus spp.			20	40		40		20
Cylindrotheca closterium	420	680	1140	400	120	880	260	460
Dictyocha speculum	20	20	120		40			120
Ditylum brightwellii	140	60	160	200	160		80	60
Ebria tripartita						40		
Eutreptiella sp.		20				40		
Grammatophora marina			20					20
Guinardia delicatula		40	100		40			
Guinardia striata						40		
Gyrodinium spp.	40	60				40		20
Heterocapsa triquetra							20	
Laboea sp.	20							40
Lauderia annulata						40		
Lennoxia faveolata						40		
Leptocylindrus minimus		40		40				
Licmophora spp.		20						
Mediopyxis helysia	40							
Melosira monoliformis	20							
Membraneis challengeri					80	40		
Mesodinium rubrum	220	80	300				620	1300
Navicula distans			40					
Navicula transitans var. *derasa*								20
Pennate diatom	220	240	120	640	320	200	120	340
Pleurosigma strigosum	20	20	20	40	80	80	20	
Pseudo-nitzschia delicatissima group	20	140	140			80		120
Pseudo-nitzschia pseudodelicatissima		40						
Pseudo-nitzschia seriata group			20					
Rhizosolenia setigera		20						
Skeletonema costatum	300	80	100	80		80	20	80
Thalassionema nitzschioides	20	20	20	120		40	20	240
Thalassiosira baltica			20					
Thalassiosira gravida		60			160			60
Thalassiosira nordenskioeldii			20					
Thalassiosira punctigera				40				20
Thalassiosira sp. (tiny)							40	

12-Feb-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira spp.	240	380	100	80	120	400	80	440
Tintinnida	180	60	20	200	80	80	100	280
Tintinnopsis spp.								20
Unarmoured dinoflagellate	40	20	20			40	20	40
9-Mar-07								
Actinoptychus senarius								20
Amphidinium carterae		20						
Armoured dinoflagellate								20
Asterionellopsis glacialis	20							20
Aulacoseira ambigua							20	
Chaetoceros debilis							20	
Chaetoceros similis	20							
Chaetoceros spp. (Hyalochaete)	20						100	40
Commation cryoporinum							20	
Corethron hystrix	20	20						
Coscinodiscus spp.	20							
Cylindrotheca closterium	220	620					160	380
Dictyocha speculum	100	20					40	60
Ditylum brightwellii	20	80					20	40
Eutreptiella sp.	20							
Guinardia delicatula		40						60
Gyrodinium spp.	20							
Laboea sp.	20							20
Leptocylindrus minimus		20						
Mesodinium rubrum	460	20					1000	640
Navicula distans		60					120	
Notholca spp.		120					20	40
Odontella aurita							20	40
Pennate diatom	120	120					120	40
Pleurosigma angulatum		20						
Pseudo-nitzschia delicatissima group	40	20					20	100
Rhizosolenia hebetata f. *semispina*	20							
Rhizosolenia setigera		20						20
Skeletonema costatum	20	40					20	60
Thalassionema nitzschioides		20						
Thalassiosira anguste-lineata							20	
Thalassiosira baltica		20						
Thalassiosira gravida		40						
Thalassiosira nordenskioeldii								60
Thalassiosira spp.	140	120					140	260
Tintinnida	40	40					80	60
Tintinnopsis spp.							60	
Unarmoured dinoflagellate	80	20					40	20
2-Apr-07								
Achnanthes sp.							20	
Amphidinium carterae				40	40			
Armoured dinoflagellate	60		40	40				40
Asterionella formosa							40	
Asterionellopsis glacialis			20				20	20

2-Apr-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Centric diatom				40				
Chaetoceros affinis	20							
Chaetoceros spp. (Hyalochaete)		20						
Commation cryoporinum	60	20	20	80	40			40
Copepoda							20	
Corethron hystrix			20					
Coscinodiscus spp.	20	20	60					
Coscinodiscus wailesii								20
Cylindrotheca closterium	420	300	420	200	120	320	80	320
Dictyocha speculum	120	60	100	40	40		80	400
Dinobryon spp.						40		
Ditylum brightwellii						40		20
Eutreptiella sp.	20	20	20		80			80
Guinardia delicatula	20			80	80	160		
Gyrodinium spp.		80	100				40	80
Gyrosigma fasciola						40		
Heterocapsa triquetra								20
Laboea sp.	20		20				20	100
Leptocylindrus minimus	20		20				40	60
Mediopyxis helysia	20		20					
Mesodinium rubrum	840	400	980	80	120		2980	2080
Navicula distans	40	20	20	80		160		
Navicula transitans var. *derasa* f. *delicatula*	60	20	20	40		40	20	
Odontella aurita	80	20		40	80	80	20	60
Pennate diatom	160	140	160		200	40	120	40
Pleurosigma angulatum		20				40		
Pleurosigma strigosum				40				20
Porosira glacialis	60							
Pseudo-nitzschia delicatissima group	20			80				
Pseudo-nitzschia seriata group		20						
Rhizosolenia setigera	20							
Skeletonema costatum	120	100	60		40	40	40	60
Thalassionema nitzschioides			40		40	80		
Thalassiosira baltica					80	40		
Thalassiosira punctigera		20				40		
Thalassiosira sp. (tiny)		20						
Thalassiosira spp.	140	200	100	240		160	100	280
Tintinnida	500	80	140	120	40	40	580	2000
Tintinnopsis spp.	20						40	20
Unarmoured dinoflagellate	80	80				40	80	360
1-May-07								
Alexandrium fundyense	180	140		160				
Alexandrium fundyense (duplet)	40	20						
Alexandrium ostenfeldii		140						
Amphidinium carterae				40				40
Amphidinium sphenoides						80		
Apedinella radians				40	40			
Armoured dinoflagellate	480	440	520	160	160		60	180
Asterionella formosa							60	

1-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Asterionellopsis glacialis	20							
Aulacoseira ambigua	20							40
Chaetoceros concavicornis						40		
Chaetoceros convolutus		20						
Chaetoceros convolutus f. *trisetosa*			40					
Chaetoceros debilis	60		40				40	160
Chaetoceros laciniosus	20							
Chaetoceros simplex							20	60
Chaetoceros socialis	60				80			160
Chaetoceros spp. (Hyalochaete)	140	100	120	40	40	120	140	1320
Commation cryoporinum	20	40						20
Copepoda	20							
Coscinodiscus spp.	20	20	40		40			
Cylindrotheca closterium	120	40	80	80	40	120	40	40
Detonula confervacea				80				
Dictyocha speculum	100	80	160	120	80	80		60
Dinobryon spp.			40				600	60
Dinophysis acuminata					40			
Ebria tripartita								20
Eutreptiella sp.	100	100	320	400		40		920
Fragilaria spp.								560
Gyrodinium spp.	460	440	200	840	40	80	20	240
Heterocapsa triquetra	40	100	40	80				20
Laboea sp.	60		80	40		40		20
Leptocylindrus danicus							20	
Leptocylindrus minimus	60	20						
Licmophora spp.	60		40		40			1200
Mediopyxis helysia							20	
Melosira monoliformis								20
Melosira nummuloides					40			
Mesodinium rubrum	3040	4080	4200	280	120	160	740	3600
Navicula distans	60	20	40				20	
Navicula transitans var. *derasa* f. *delicatula*					40	40		
Odontella aurita								20
Pennate diatom	140	60	80		160	160	960	1520
Peridinium limbatum							40	
Pleurosigma angulatum						40		
Porosira glacialis	180	160	120	160		80	40	20
Preperidinium meuneri				40				
Prorocentrum minimum	80		200	600				120
Protoperidinium brevipes				40				
Protoperidinium spp.	40	20				40		
Pseudo-nitzschia delicatissima group	60			120	120	120		60
Ptychocylis spp.				40				
Rhizosolenia hebetata f. *semispina*						40		
Skeletonema costatum	20	20	160	40			40	20
Synedra spp.			40					
Thalassionema nitzschioides						40		
Thalassiosira anguste-lineata						40		

1-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira baltica			40					
Thalassiosira gravida			40					
Thalassiosira nordenskioeldii	20	20	160			40		760
Thalassiosira spp.	300	240	440	800	400	760	60	680
Tintinnida	2260	1380	2200	1120	120	120	1620	2360
Tintinnopsis spp.	80			120				
Unarmoured dinoflagellate	660	820	840	840		200	240	2880
7-May-07								
Alexandrium fundyense	20	160	20					40
Alexandrium ostenfeldii		20						
Amphidinium carterae	40	60						
Amphidinium sphenoides					40			
Armoured dinoflagellate	60	260	20	80			40	360
Asterionella formosa		20	20				60	
Asterionellopsis glacialis						40		
Chaetoceros constrictus	40							960
Chaetoceros convolutus f. *trisetosa*							20	200
Chaetoceros debilis	40		100	160	120			160
Chaetoceros decipiens					80			
Chaetoceros similis	20	40						
Chaetoceros socialis		40	200		320			40
Chaetoceros spp. (Hyalochaete)	140	200	720	120	120	160	160	3640
Chaetoceros teres								200
Commation cryoporinum	20		20	80				
Coscinodiscus spp.				80				
Cylindrotheca closterium	100	60	60	40				40
Dactyliosolen fragilissimus						40		
Dictyocha speculum	60	80	120					40
Dinobryon spp.			20				260	
Dinophysis norvegica					40			
Dissodinium pseudolunula							60	
Eutreptiella sp.	20	20		120				720
Grammatophora marina	60							
Guinardia delicatula						40		
Gyrodinium spp.	60	40	40	40	40	40		360
Gyrosigma balticum	20							
Gyrosigma fasciola						40		
Heterocapsa triquetra	20	60	40					
Laboea sp.	20	20						120
Leptocylindrus minimus	20		40	40				40
Licmophora spp.	20	20						
Membraneis challengeri					40			
Mesodinium rubrum	660	3800	6520	1320	120	160	80	2000
Navicula distans	20	20					20	
Navicula transitans var. *derasa* f. *delicatula*				40	160	40		
Notholca spp.			20					
Paralia sulcata					40			
Pennate diatom	60	240	40	80	240		480	80
Peridinium limbatum				40				

7-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Porosira glacialis	20	160	140	80				200
Preperidinium meuneri	20		200					
Prorocentrum minimum				80	40			120
Protoperidinium spp.								80
Pseudo-nitzschia delicatissima				120				
Pseudo-nitzschia delicatissima group	40	20	40		40			160
Rhizosolenia hebetata f. *semispina*	60				40	360		
Rhizosolenia spp.		20						
Scrippsiella trochoidea	20							
Skeletonema costatum		20	20				40	40
Thalassionema nitzschioides				40	40	40		
Thalassiosira anguste-lineata					40			
Thalassiosira gravida			20			80	20	
Thalassiosira nordenskioeldii						40		1000
Thalassiosira punctigera			20			40		
Thalassiosira spp.	180	240	80	240	400	280	140	1320
Tintinnida	1100	6960	40	640	40	40	20	1720
Tintinnopsis spp.								80
Unarmoured dinoflagellate	60	80	40	160		40	20	1720
14-May-07								
Alexandrium fundyense	120	120	20	96		80	288	
Alexandrium fundyense (duplet)	20	20					144	
Alexandrium ostenfeldii	60		20					
Alexandrium pseudogonyaulax		20						
Amphidinium sphenoides	40							
Armoured dinoflagellate	300	280	360					578
Asterionella formosa			40					
Brachionus spp.		20						
Centric diatom	40							
Ceratium longipes	20							
Chaetoceros constrictus	120						864	
Chaetoceros contortus							144	289
Chaetoceros convolutus		20						
Chaetoceros convolutus f. *trisetosa*			40				288	
Chaetoceros debilis	120	80	140	2208	80		1440	12427
Chaetoceros decipiens	20	20	40					
Chaetoceros diadema	20			768			144	
Chaetoceros furcellatus							144	
Chaetoceros laciniosus							144	2023
Chaetoceros radicans	40							289
Chaetoceros similis	20		40				432	1156
Chaetoceros socialis	60		20				1872	289
Chaetoceros spp. (Hyalochaete)	380	120	720	12768	1280	40	14688	156060
Chaetoceros teres	40			96				867
Commation cryoporinum	20		20	96				
Coscinodiscus spp.			20	96		40		
Cylindrotheca closterium	60	60	180	768	280	80		
Dictyocha speculum	120	100	260	96				
Dinophysis acuminata			20					

14-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis acuta	20							
Dinophysis norvegica		20						
Eutreptiella sp.	40	340	160	192		40		
Gyrodinium spp.	420	140	40	288	40	80		
Gyrosigma fasciola	20							
Heterocapsa triquetra	100	300	140					867
Laboea sp.	60	60	120				144	578
Leptocylindrus minimus		40	100				144	
Licmophora spp.	20				40			
Mediopyxis helysia						40		
Mesodinium rubrum	1100	1720	6240	384	160	200	3600	5202
Navicula distans	40		20			120	144	
Navicula transitans var. *derasa* f. *delicatula*			20	384	240			
Odontella aurita	20			96				
Paralia sulcata						40		
Pennate diatom	100	80	140		280	200	720	1156
Porosira glacialis	60		60				144	289
Preperidinium meuneri			200					
Prorocentrum minimum	200	20	200		40			578
Protoperidinium depressum		20						
Protoperidinium spp.	60	40						289
Pseudo-nitzschia delicatissima group		640	60	96			432	1445
Rhizosolenia hebetata f. *semispina*	20		20		120	40		578
Scrippsiella trochoidea		20						
Skeletonema costatum	20		40	96				
Thalassionema nitzschioides					120			
Thalassiosira anguste-lineata								578
Thalassiosira baltica						40		
Thalassiosira gravida						80		
Thalassiosira nordenskioeldii	380	20	20		80		5904	45662
Thalassiosira spp.	540	340	420	16896	2240	240	14544	43061
Tintinnida	1900	12960	1340		40	40	1872	4335
Unarmoured dinoflagellate	600	580	440	96				867
22-May-07								
Alexandrium fundyense	120		120	720		40		160
Alexandrium fundyense (duplet)			40					
Alexandrium ostenfeldii			40					
Amphidinium sphenoides					80			
Armoured dinoflagellate	240	60	1000	576				480
Attheya longicornis								320
Chaetoceros convolutus f. *trisetosa*	80	140	240					
Chaetoceros debilis	760	80	760	1728	480	80	4176	6160
Chaetoceros decipiens							144	80
Chaetoceros diadema			120	720	560	280	288	240
Chaetoceros filiformis		40						
Chaetoceros furcellatus			440	1008	320	80		320
Chaetoceros similis			80				288	80
Chaetoceros socialis	240			288	80			
Chaetoceros spp. (Hyalochaete)	2320	820	3480	11808	1720	440	15408	29600

22-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros teres	80	20	40				288	80
Commation cryoporinum	40	40			80			
Coscinodiscus spp.		20						
Cylindrotheca closterium	280	140	80		360	80		400
Detonula confervacea					40			
Dictyocha speculum	40	60	80	144				240
Dinophysis norvegica								80
Eutreptiella sp.	200	900	2600	3744	120			3920
Gyrodinium spp.	160	120	80	288	120			80
Gyrosigma fasciola	40							
Heterocapsa triquetra		20	160	1584				
Laboea sp.			240					80
Leptocylindrus minimus			80	144			288	560
Licmophora spp.	40		80					
Membraneis challengeri		20	40					
Mesodinium rubrum	1840	1220	2320	4032			576	4080
Navicula distans	80	80	40		40			
Navicula transitans var. *derasa* f. *delicatula*						80		
Pennate diatom	120	120	120		480	40	720	320
Porosira glacialis	80		80	144				240
Preperidinium meuneri			80					
Prorocentrum minimum	160	120	920	864				400
Prorocentrum sp. (small)			40		40			
Protoperidinium depressum			40					80
Protoperidinium spp.	40		40					
Pseudo-nitzschia delicatissima group		140	280	576			144	720
Scrippsiella trochoidea			40					
Skeletonema costatum	40	200	40		40		144	240
Tabellaria spp.								80
Thalassiosira anguste-lineata					40		144	
Thalassiosira gravida	40							
Thalassiosira nordenskioeldii	760	80	880	2448	760		11520	6400
Thalassiosira punctigera	80				40	40		
Thalassiosira sp. (tiny)								160
Thalassiosira spp.	2520	1080	3240	10080	5600	1160	17568	9520
Tintinnida	1960	1060	3440	6480	160	40	1872	2640
Tintinnopsis spp.					40			
Unarmoured dinoflagellate	120	120	80	144	40			240
29-May-07								
Alexandrium fundyense		288	40	578				576
Alexandrium fundyense (duplet)								144
Alexandrium ostenfeldii				289				
Amphidinium sphenoides			578				578	144
Apedinella radians		288		289				
Armoured dinoflagellate	720	432	1156	867	288		578	2448
Attheya longicornis		864						
Brachionus spp.	144							
Chaetoceros convolutus f. *trisetosa*		432	289				289	
Chaetoceros debilis	4752	7200	16762	15317	1296	240	12427	720

29-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros diadema					144		289	
Chaetoceros furcellatus	3744	288	2312	2023	13392	1720	5202	1152
Chaetoceros similis		144			144		289	
Chaetoceros socialis		864		867	144		289	
Chaetoceros spp. (Hyalochaete)	19296	23472	47974	43061	2592	560	92480	101439
Chaetoceros teres	144	144	289		144		1734	144
Commation cryoporinum	144				432			288
Cylindrotheca closterium	864	288	1445	578	576	80	289	
Dactyliosolen fragilissimus		144						144
Dictyocha speculum		144	578	578				
Dinophysis norvegica				289				
Eutreptiella sp.	864	2016	2890	5202	1296			144
Guinardia flaccida				289				
Gyrodinium spp.	432	720		867				
Heterocapsa triquetra		576	289	578				288
Laboea sp.	144			578				576
Lennoxia faveolata		144						
Leptocylindrus minimus		1008	578				289	288
Licmophora spp.								144
Mediopyxis helysia					288			
Mesodinium rubrum	1584	2016	5780	1156	576	40	2312	4896
Navicula distans							289	
Navicula transitans var. *derasa* f. *delicatula*					144	40		
Odontella aurita	144				144			
Pennate diatom		432		289	144	80	289	
Porosira glacialis		432				40	578	
Prorocentrum minimum		1584	2601	1734				1008
Prorocentrum sp. (small)			289					
Protoperidinium spp.				289				
Pseudo-nitzschia delicatissima		2304						
Pseudo-nitzschia delicatissima group	288		1156	578	288		867	2016
Pterosperma vanhoeffenii	144							
Skeletonema costatum	576	720	2312	289				
Thalassiosira gravida							289	
Thalassiosira nordenskioeldii	15264	4032	15317	32079	6912	120	39593	1440
Thalassiosira punctigera						40	289	
Thalassiosira sp. (tiny)	288	144						
Thalassiosira spp.	29952	14112	20230	46529	24768	3080	58378	1008
Tintinnida	1728	1872	289	2312	720	40	578	864
Tintinnopsis spp.							578	
Unarmoured dinoflagellate	288	144	867				867	432
7-Jun-07								
Acanthostomella norvegica					96			
Actinoptychus senarius						40		
Alexandrium fundyense	400	432	240		96	40	288	
Alexandrium fundyense (duplet)			40					
Amphidinium sphenoides	40	288		289		40		432
Apedinella radians			320					
Armoured dinoflagellate	840	1008	600	1156	192		864	1584

7-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Asterionellopsis glacialis	40		80					
Attheya longicornis	480							432
Aulacoseira ambigua							144	
Calliacantha sp.	40							144
Ceratium longipes	40							288
Ceratium spp.			40					
Chaetoceros convolutus f. *trisetosa*	200	576	560				144	
Chaetoceros debilis	2920	3744	2240	2023	4320	760	9648	5184
Chaetoceros decipiens	40							
Chaetoceros filiformis			80					
Chaetoceros furcellatus	840	3888	760	1156	1344	1840	3168	576
Chaetoceros laciniosus	80							
Chaetoceros similis	40						1296	
Chaetoceros simplex		288						
Chaetoceros socialis	1400	1440		2890				
Chaetoceros spp. (Hyalochaete)	2320	8208	7280	9826	1920	360	6912	29952
Chaetoceros teres	40		40		96		144	576
Commation cryoporinum		144	160		96			
Coscinodiscus spp.			40			40		
Cylindrotheca closterium	440	576	800	578	1152	400	864	432
Dactyliosolen fragilissimus				578			288	
Dictyocha speculum	80							144
Dinophysis acuminata	40							
Ebria tripartita			40					
Eucampia groenlandica	40	144	80					144
Eucampia zodiacus		288	80	578				
Eutreptiella sp.	760	1152	800	1734	96		144	2304
Guinardia delicatula				289		40		
Gymnodinium spp.				1734				
Gyrodinium spp.	760	2448	1160			40		432
Helicostomella spp.								144
Heterocapsa triquetra	680	720	240	578			288	864
Laboea sp.	160		200					
Lennoxia faveolata							144	
Leptocylindrus minimus	560	144	280	289		40	1296	864
Licmophora spp.	40							
Meringosphaera mediterranea	40							
Mesodinium rubrum	4560	2736	1840	1734	96	200	720	1728
Navicula distans	40				96		144	
Navicula transitans var. *derasa* f. *delicatula*			40			80		
Pennate diatom	400	1008		578	96	160	1008	576
Phaeocystis pouchetii							144	
Porosira glacialis	80						144	
Prorocentrum minimum	960	1152	560	2312	192	80	144	2160
Prorocentrum sp. (small)					96			
Protoperidinium bipes			80					144
Protoperidinium conicum								144
Protoperidinium depressum	40							
Protoperidinium spp.	40	576						

7-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima	1040		1640	867	288			
Pseudo-nitzschia delicatissima group		1872				160	3744	1296
Scrippsiella trochoidea	200							144
Skeletonema costatum	440	1584	680		288	80		144
Stephanopyxis turris		144						
Thalassiosira anguste-lineata					96			
Thalassiosira baltica			40					
Thalassiosira bioculata			40					
Thalassiosira nordenskioeldii	2560	5472	1760	31790	2688	200	12384	288
Thalassiosira punctigera		144				40	144	
Thalassiosira sp. (tiny)	80					80	288	144
Thalassiosira spp.	3960	15840	6680	61268	23616	3240	2736	1008
Tintinnida	3760	2736	2400	6647	576	200	2160	1728
Tintinnopsis spp.				289			288	
Unarmoured dinoflagellate	520	2016	1600	867	768	1120	864	432
12-Jun-07								
Alexandrium fundyense	432	240	144				160	40
Alexandrium fundyense (duplet)		80						
Alexandrium ostenfeldii		120	144					
Amphidinium carterae		40						40
Amphidinium sphenoides		120	144	1445	288		80	840
Apedinella radians		120	720			40		80
Armoured dinoflagellate	1152	1560	3024	578	288		720	760
Asterionellopsis glacialis				578		40		
Attheya longicornis		40	1152					1360
Brachionus spp.	288	160	432					
Calliacantha sp.			144					
Chaetoceros contortus	288		144				40	
Chaetoceros convolutus f. *trisetosa*	288	440	720				40	200
Chaetoceros debilis	8064	7480	9792	18785	4464	120	4280	8840
Chaetoceros decipiens	144	160		578	720			40
Chaetoceros filiformis		160						
Chaetoceros furcellatus	1584	240	1728	2312	5184	2320	1160	1360
Chaetoceros laciniosus	144	40					120	
Chaetoceros simplex	432						80	
Chaetoceros socialis		240						
Chaetoceros spp. (Hyalochaete)	7200	5600	8352	8670	3744	440	5360	6440
Chaetoceros teres	288	160	144		288			480
Chrysochromulina parkeae			144					
Commation cryoporinum				289		40		160
Copepoda				289				
Coscinodiscus spp.			144			40		
Cylindrotheca closterium	1872	1000	1872	2023	432	320	600	760
Dactyliosolen fragilissimus	288	80					120	
Dictyocha speculum	864	480	288					120
Dinobryon spp.								40
Eucampia groenlandica	864	360					40	
Eucampia zodiacus			288		144			
Eutreptiella sp.	720	200	432				200	640

12-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Favella spp.		40						
Guinardia delicatula		80	288		144			80
Gyrodinium spp.	1296	760	864	1445	288		240	560
Heterocapsa triquetra	432	600	432				320	240
Laboea sp.	432	760	288	289				40
Lennoxia faveolata								40
Leptocylindrus danicus		200						
Leptocylindrus minimus	864	600	576	1445	144		2200	3000
Mesodinium rubrum	3744	760	3600	578			4160	1760
Navicula distans		40						
Navicula transitans var. *derasa* f. *delicatula*					144	160		
Parafavella spp.	144	40						
Pennate diatom	1728	40	576		144	80	160	320
Pleurosigma / Gyrosigma		80						
Pleurosigma angulatum						40		
Porosira glacialis		120	144	578		40	120	
Prorocentrum minimum	144	280	864	578			40	520
Prorocentrum sp. (small)		80	288					200
Protoperidinium bipes	144	40	288					200
Protoperidinium brevipes	144	40						
Protoperidinium spp.	144	80	288		144			
Protoperidinium steinii		40						
Pseudo-nitzschia delicatissima	7920		7920	867	1872	160		
Pseudo-nitzschia delicatissima group		3360					1600	3120
Pseudo-nitzschia pungens		40	288					
Pseudo-nitzschia seriata group	288							
Pseudo-nitzschia subpacifica		40						
Ptychocylis spp.	144	120	288					
Rhizosolenia hebetata f. *semispina*				289				
Scrippsiella sp.	144							
Scrippsiella trochoidea			144				40	
Skeletonema costatum	720	920	864		576		40	
Stephanopyxis turris				289				
Thalassiosira anguste-lineata	144						40	
Thalassiosira baltica								40
Thalassiosira bioculata	144	120	288					
Thalassiosira gravida			144		144			160
Thalassiosira nordenskioeldii	6912	9560	10656	32368	15264	80	440	360
Thalassiosira punctigera	144							
Thalassiosira sp. (tiny)		80						
Thalassiosira spp.	10368	10120	9504	34391	67048	4200	680	680
Tintinnida	3168	800	1728	2312	720		920	480
Tintinnopsis spp.						80		
Unarmoured dinoflagellate	2592	840	1728	3179	1008		280	1040
19-Jun-07								
Acanthostomella norvegica								40
Alexandrium fundyense	160	920	120	867			160	
Alexandrium fundyense (duplet)	40	40						
Alexandrium pseudogonyaulax							80	

19-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Amphidinium carterae		80						80
Amphidinium sphenoides	200	80	80	289	578		400	
Apedinella radians	160	280	360	578				
Armoured dinoflagellate	1080	960	640	578	289		1120	1880
Asterionellopsis glacialis	80	200		867	1156			
Attheya longicornis		320						40
Brachionus spp.				289				
Ceratium lineatum	80							
Ceratium macroceros	40							
Chaetoceros contortus	80	40	40		289		80	440
Chaetoceros convolutus f. *trisetosa*	760	480	240				800	240
Chaetoceros danicus							80	
Chaetoceros debilis	5640	1880	1880	9827	7803	432	1360	2680
Chaetoceros decipiens	40	40	40		289	144	80	80
Chaetoceros diadema					578			
Chaetoceros filiformis	80	120	120					
Chaetoceros furcellatus	200	160	120	867	578	1584	240	
Chaetoceros laciniosus	320	120	280				80	
Chaetoceros radicans		40			289	864		
Chaetoceros similis	120	40					320	40
Chaetoceros socialis							400	
Chaetoceros spp. (Hyalochaete)	1120	1560	2040	13006	7803	1872	560	720
Chaetoceros spp. (Phaeoceros)								80
Chaetoceros teres	160		40		289			80
Commation cryoporinum							160	80
Copepoda	40						80	80
Corethron hystrix		40						
Coscinodiscus spp.	40							
Cylindrotheca closterium	2640	960	800	2023	5780	2592	2720	560
Dactyliosolen fragilissimus	160	200	200				80	360
Dictyocha speculum	280	640	920	1734			160	120
Dinophysis norvegica		40						
Dinophysis spp.								40
Ebria tripartita								40
Eucampia groenlandica	320	240	440				80	80
Eucampia zodiacus	80			1734	1445			40
Eutreptiella sp.	280	40	80	1734			240	560
Guinardia delicatula	720	440	1520	867	289	288	240	600
Gymnodinium spp.					289			
Gyrodinium spp.	280	1200	1800	2312		144	240	800
Helicostomella spp.								1160
Heterocapsa triquetra	600	920	480	578	578		320	720
Laboea sp.	80			578				160
Lauderia annulata			40					
Leptocylindrus danicus	800	360	640	289			720	1960
Leptocylindrus minimus	3000	2560	2000	10405	1734	288	18880	75140
Licmophora spp.			40					
Mesodinium rubrum	2000	1240	2040	2890	867	144	2320	2280
Navicula distans		40						

19-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Navicula transitans var. *derasa* f. *delicatula*						288		
Notholca spp.							80	
Pennate diatom	320		40		1156		640	
Porosira glacialis	320		80			144	160	40
Preperidinium meunieri			120					
Prorocentrum minimum	640	960	640	1156	1156		1120	1080
Prorocentrum sp. (small)			160					40
Protoperidinium bipes	80	40	240	289			80	480
Protoperidinium brevipes		40	40					80
Protoperidinium denticulatum		80						
Protoperidinium depressum								80
Protoperidinium ovatum								80
Protoperidinium spp.	40	40	160	867			160	240
Pseudo-nitzschia delicatissima	4480	3600	5640		4335	1296	6640	3120
Pseudo-nitzschia delicatissima group				6647				
Pseudo-nitzschia pseudodelicatissima					578			
Pseudo-nitzschia seriata				578	1156			
Pseudo-nitzschia seriata group	440	320	520	1445		144	80	
Ptychocylis spp.					289			
Rhizosolenia hebetata f. *semispina*						144		
Scrippsiella sp.	80	40					80	
Scrippsiella trochoidea	160		120	289				
Skeletonema costatum	440	240	160			144	240	40
Stephanopyxis turris								40
Thalassiosira anguste-lineata	40	40	80				80	40
Thalassiosira baltica	40							
Thalassiosira gravida	160							40
Thalassiosira nordenskioeldii	640	920	840	23699	21386	4896	240	
Thalassiosira spp.	3440	1480	1320	75723	63869	25056	2160	160
Tintinnida	200	120	360	1156	578	144	1360	360
Tintinnopsis spp.						432		
Unarmoured dinoflagellate	1280	600	840	2023	3757	1008	560	800
26-Jun-07								
Alexandrium fundyense	206	800	1240	1445	289			144
Alexandrium ostenfeldii						144		
Amphidinium sphenoides	721		280	867	289	2304		
Apedinella radians	1648	2960	1280	867	289		144	144
Armoured dinoflagellate	2266	3760	1680	4046	289	144	720	1152
Asterionellopsis glacialis	206	160			2312			
Attheya longicornis	515		280					288
Brachionus spp.	103							
Ceratium horridum				289				
Ceratium longipes				289				
Ceratium macroceros								144
Ceratium spp.						144		
Chaetoceros contortus		80	160		1445	144		720
Chaetoceros convolutus f. *trisetosa*	618		240				720	144
Chaetoceros debilis	5562		1480	2023	2601	2880	3168	3456
Chaetoceros decipiens	103		160	867	289	432		

26-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros diadema			80			144		
Chaetoceros filiformis	206		160					288
Chaetoceros furcellatus	206		160		867	1728	288	
Chaetoceros laciniosus	721	80	600	867			432	
Chaetoceros pseudobrevis						144		
Chaetoceros radicans			40			1872	432	
Chaetoceros similis	103		40				288	288
Chaetoceros socialis	103	160			1445			
Chaetoceros spp. (Hyalochaete)	1751	560	1960	10115	10693	4032	144	720
Chaetoceros teres	103			289			144	
Commation cryoporinum		80				288		
Copepoda		160	40		289			
Coscinodiscus spp.						144		144
Cylindrotheca closterium	7107	80	880	867	4335	6768	5472	2304
Dactyliosolen fragilissimus	309	160	160	289	289			864
Detonula confervacea						144		
Dictyocha speculum	412	720	360				144	
Dinophysis norvegica								144
Ebria tripartita		80	160	1156			576	4896
Eucampia groenlandica	1648	1200	1520				432	720
Eucampia zodiacus	412	80		1445		432		144
Eutreptiella sp.	618	3760	2360	2023		144		1152
Guinardia delicatula	3193	3600	3440	1734	2312	288	288	2736
Gyrodinium spp.	309	720	720	1445	867	432	144	1008
Helicostomella spp.			40	289				1872
Heterocapsa triquetra	1339	2480	2400	1734	289		720	1872
Laboea sp.				289	289			
Lennoxia faveolata							144	
Leptocylindrus danicus	1236	240	1080	3179	5491	144	1872	2592
Leptocylindrus minimus	13802	29280	37120	114444	77163	16272	104618	223108
Licmophora spp.		80						
Mediopyxis helysia						144		
Membraneis challengeri			40			144		
Mesodinium rubrum	2369	1680	1480	13583	578	288	2448	10944
Navicula transitans var. *derasa* f. *delicatula*						144		
Pennate diatom	412		80			432		
Porosira glacialis	309		120			576		
Prorocentrum minimum	1236	2880	400	1445	867	144	288	720
Prorocentrum sp. (small)	103	80	120			576		
Protoperidinium bipes		160	320				144	864
Protoperidinium brevipes								432
Protoperidinium conicum				289				
Protoperidinium spp.	103	160						432
Protoperidinium steinii			200					
Pseudo-nitzschia delicatissima		2400	4280	2312	1734	4464	5616	1872
Pseudo-nitzschia delicatissima group	6077							
Pseudo-nitzschia fraudulenta			1360			144		
Pseudo-nitzschia pseudodelicatissima						864		
Pseudo-nitzschia pungens	2472	2080	960				432	

26-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia seriata	1648							
Pseudo-nitzschia seriata group		960		8092	8092			
Scrippsiella sp.								144
Scrippsiella trochoidea			40	289				144
Skeletonema costatum			40				144	
Stephanopyxis turris	206			289				
Thalassionema nitzschioides	103							
Thalassiosira anguste-lineata		80						
Thalassiosira gravida					578	144		
Thalassiosira nordenskioeldii				289		1008		
Thalassiosira spp.	1545	320	840	4624	19074	11376	432	432
Tintinnida	618	1360	560	2312	289	1008	1296	2160
Tintinnopsis spp.					289			
Unarmoured dinoflagellate	824	880	1240	1734	289	864		1584
3-Jul-07								
Alexandrium fundyense	144	7344	1000	6647				720
Alexandrium fundyense (cyst)			40					
Alexandrium fundyense (planozygote)				289				
Amphidinium sphenoides	144	144		578	1156	2312	1152	144
Apedinella radians	1152	864	320		578		288	1584
Armoured dinoflagellate	1008	20448	1680	6647	289	289	1008	4032
Asterionellopsis glacialis	144					1445		
Chaetoceros contortus	1008			289	289	1156	432	
Chaetoceros convolutus f. *trisetosa*	432	288	40				288	432
Chaetoceros debilis	2304		40		578		288	
Chaetoceros filiformis	288							
Chaetoceros furcellatus					289	578		
Chaetoceros laciniosus	144	144	40					
Chaetoceros radicans	2304		40		578	1734		
Chaetoceros similis			40					
Chaetoceros spp. (Hyalochaete)	2016	288	200	4335	867	12427	144	144
Commation cryoporinum					289			144
Copepoda			40					
Corethron hystrix								144
Coscinodiscus spp.							288	
Cylindrotheca closterium	3168		120		3757	2023	5328	1872
Dactyliosolen fragilissimus	576				1445	289	1584	576
Dictyocha speculum	144	288	120				144	1728
Dinophysis acuminata			120					144
Dinophysis norvegica			80					
Dinophysis spp.			40					
Ebria tripartita	3024	2880	4280	1734	4046	289	3312	28368
Eucampia groenlandica	1728	1008	240				1296	1584
Eucampia zodiacus			40		1156			
Eutreptiella sp.	4032	10944	880	4913			1152	2592
Gonyaulax digitale		144						
Guinardia delicatula	11664	4032	2520	3757	2312	3179	6336	5760
Gymnodinium spp.					867			
Gyrodinium spp.	144		400	289		289		576

3-Jul-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Helicostomella spp.			120					144
Heterocapsa triquetra	144	2304	5760	6069				3744
Laboea sp.	144		40	867	289		144	
Leptocylindrus danicus	4608	576	120	578	867	1734	1584	576
Leptocylindrus minimus	131206	131206	163574	947298	312698	95370	113866	256054
Licmophora spp.	144							
Mediopyxis helysia					289			
Membraneis challengeri	144		40	289		867		
Mesodinium rubrum	1008	144	1040	4624	1156	1156	5904	2448
Navicula distans					289			
Parafavella spp.				289	578			
Pennate diatom						289	144	144
Porosira glacialis	288			289	289			144
Prorocentrum minimum	864	1584	760	1445	289	578	144	2304
Prorocentrum sp. (small)		288	120					432
Protoperidinium bipes	720	576	400	1156	578		1584	3312
Protoperidinium brevipes			200	578				
Protoperidinium depressum	144			289				
Protoperidinium spp.			920	289				864
Pseudo-nitzschia delicatissima	1728				578	2890		288
Pseudo-nitzschia delicatissima group							1584	
Pseudo-nitzschia pungens	12096	1008	560				144	576
Pseudo-nitzschia seriata	288	2304	40	2312	5780	2601	432	144
Pseudo-nitzschia seriata group			160	2312		4335		432
Pseudo-nitzschia subpacifica	7200							
Ptychocylis spp.			40					
Rhizosolenia hebetata f. *semispina*	144					289		
Scrippsiella sp.		4320	280	1156				720
Scrippsiella trochoidea		1872	120	2312				
Stephanopyxis turris					289			
Thalassiosira baltica			40			289		
Thalassiosira gravida	144							
Thalassiosira punctigera						289		
Thalassiosira spp.	1152	144	40	1445	3468	8381	288	
Tintinnida	720	2160	1920	7225	3757	578	1152	1152
Tintinnopsis spp.						578		
Unarmoured dinoflagellate	1008	144	400	2023	289	289	432	1152
10-Jul-07								
Alexandrium fundyense	1152	2304	10368	1734	289			288
Amphidinium carterae					289			
Amphidinium sphenoides	720	578		578	289	200	280	
Apedinella radians	864	1156	576	3757			40	1152
Armoured dinoflagellate	5760	8381	4464	5780	867	200	840	2448
Brachionus spp.								144
Ceratium longipes							40	
Chaetoceros contortus						40		
Chaetoceros convolutus f. *trisetosa*		578	144				80	
Chaetoceros debilis	144							
Chaetoceros socialis				4046			680	

10-Jul-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros spp. (Hyalochaete)	1296	289	432		289	360	320	
Commation cryoporinum	864						40	
Copepoda						40	80	
Coscinodiscus spp.							40	
Cylindrotheca closterium	1440	1734	1152	1734	3468	280	1760	1584
Dactyliosolen fragilissimus	144				289	160	320	
Dictyocha speculum	432	578	288		1445	40	480	1728
Dinophysis acuminata	144		144					144
Dinophysis norvegica			144	289				432
Ebria tripartita	9360	21386	1008	16473	4913	440	1920	2304
Eucampia groenlandica	288	289	288				120	
Eucampia zodiacus					289			
Eutreptiella sp.	23904	13294	7344	7225	867	40	680	2880
Guinardia delicatula	22320	9537	3456	2312	2890	1480	21560	18720
Guinardia flaccida							40	
Gyrodinium spp.	432	578	3312	289	578	400	520	864
Helicostomella spp.	144	289	576				200	720
Heterocapsa triquetra	3168	24565	25200	2312		40	720	9360
Laboea sp.							80	144
Leptocylindrus danicus	144	289				240	40	
Leptocylindrus minimus	2736	164730	118490	167042	76874	10400	1400	
Mediopyxis helysia						80		
Membraneis challengeri	144				289	80		
Mesodinium rubrum	2736	7803	720	3468	1445	280	3160	7200
Navicula distans						40		144
Navicula transitans var. *derasa* f. *delicatula*					289			
Pennate diatom							80	
Porosira glacialis							160	
Prorocentrum minimum	1296	2023	1728	1734	1445		200	1584
Prorocentrum sp. (small)			288		289			
Protoperidinium bipes	3888	12427	12240	3179	5202	160	560	432
Protoperidinium brevipes			144					288
Protoperidinium conicum	288				578		40	
Protoperidinium excentricum		289						
Protoperidinium spp.	432	3468	576	578	289	80	520	
Protoperidinium steinii	432					80		720
Pseudo-nitzschia delicatissima			144				200	
Pseudo-nitzschia delicatissima group						40		
Pseudo-nitzschia pseudodelicatissima							200	
Pseudo-nitzschia pungens	1584	578	144				240	
Pseudo-nitzschia seriata	1584	578					280	
Pseudo-nitzschia seriata group	144				289	440		
Ptychocylis spp.						40		
Rhizosolenia hebetata f. *semispina*	144							
Scrippsiella sp.	720	1734	1440	867			40	288
Scrippsiella trochoidea	1008	2312	2160	2312				
Skeletonema costatum					289			
Thalassiosira anguste-lineata					289			
Thalassiosira gravida							80	

10-Jul-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira spp.	144	289	144			120	120	144
Tintinnida	7488	7514	3024	11271	2023	200	960	6192
Tintinnopsis spp.						120		
Unarmoured dinoflagellate	1872	3757	7920	2023	289	120	1960	2016
17-Jul-07								
Alexandrium fundyense	11232	17280	22464	5040	280	120		280
Alexandrium fundyense (cyst)				288		40		
Alexandrium fundyense (duplet)	144	288						
Alexandrium fundyense (triplet)	144							
Amphidinium carterae					40			
Amphidinium sphenoides	288	144	144	144	160	40	144	120
Apedinella radians								40
Armoured dinoflagellate	7200	6192	11088	2736	440	40		1360
Asterionellopsis glacialis					40			
Ceratium longipes								40
Chaetoceros furcellatus	144					80		
Chaetoceros socialis				4176				
Chaetoceros spp. (Hyalochaete)		864	144	1008	160			
Chaetoceros teres							144	
Commation cryoporinum					160			40
Copepoda						40		
Coscinodiscus spp.					40	80		
Cylindrotheca closterium	1296	864	1152	1296	1560	1200	2016	320
Dictyocha speculum	144			288	40		864	320
Dinophysis acuminata	576	432	432	1296				80
Dinophysis norvegica		144	144	288				200
Ebria tripartita		1296	1008	1296	520	40	288	320
Eucampia groenlandica					40			
Eutreptiella sp.	7344	34560	14544	30384	3080		1008	840
Gonyaulax spinifera			288					
Guinardia delicatula	4032	144		144	240	240	150858	15120
Gyrodinium spp.	288	1584	720	720	480	240	144	480
Helicostomella spp.	288	288		432				480
Heterocapsa triquetra	3744	76296	59184	26352	2280			1560
Laboea sp.					80			
Leptocylindrus danicus							144	
Leptocylindrus minimus					80	80	288	40
Mediopyxis helysia					40			
Membraneis challengeri							144	
Mesodinium rubrum	1008	4752	2304	2448	520		2160	1800
Micracanthodinium claytonii				432				
Navicula distans					40	80		
Navicula transitans var. *derasa* f. *delicatula*					80			
Parafavella spp.				144				
Paralia sulcata								40
Pennate diatom		144	144					
Prorocentrum minimum	1728	3024	2880	1440	600		288	80
Prorocentrum sp. (small)		288	288	288	40			
Protoperidinium bipes	720	288	288	576	200		432	80

17-Jul-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Protoperidinium brevipes				432				
Protoperidinium conicum					120			
Protoperidinium depressum	144				40			40
Protoperidinium spp.	576	432		288	400	80		360
Protoperidinium steinii			288					
Pseudo-nitzschia delicatissima group					40			
Pseudo-nitzschia pseudodelicatissima							144	
Pseudo-nitzschia seriata group							144	
Scrippsiella sp.	2016				80			
Scrippsiella trochoidea	6480	10800	23616	8784	320			360
Skeletonema costatum						120		
Thalassiosira anguste-lineata					40			
Thalassiosira baltica	144					40		
Thalassiosira spp.	144						144	40
Tintinnida	1872	1584	2016	5616	640	160	1728	1720
Unarmoured dinoflagellate	1008	3888	1872	3456	440	280	576	400
24-Jul-07								
Alexandrium fundyense	150858	503438	20160	15317	160	40	6624	146234
Alexandrium fundyense (cyst)				2312	120			
Alexandrium fundyense (duplet)		1156						578
Alexandrium fundyense (planozygote)	1156	9826	1872	578				578
Amphidinium carterae		578						
Amphidinium sphenoides					40			
Apedinella radians				1156				
Armoured dinoflagellate	19074	578	4320	4046	360	160	1008	7514
Ceratoulina pelagica							288	
Ceratium longipes			144					
Chaetoceros filiformis						40		
Chaetoceros furcellatus					40			
Chaetoceros pseudobrevis					40			
Chaetoceros socialis	578			66470				
Chaetoceros spp. (Hyalochaete)					40	80		
Commation cryoporinum					160	200		
Coscinodiscus spp.						40		
Cylindrotheca closterium	1156		576	6936	2000	360	864	
Dictyocha speculum		578			40	40	3600	6936
Dinobryon spp.			3456					
Dinophysis acuminata	2890	2312		5202				
Dinophysis norvegica	1734	578	144				288	
Dinophysis pulchella								578
Dinophysis spp.	578	578						578
Ebria tripartita	578							1734
Eutreptiella sp.	66470	12716	156638	189006	680	40	288	13872
Gonyaulax digitale		1156	432					
Gonyaulax spinifera	1156	4046	432				432	4046
Guinardia delicatula	2890		144		200	760	44217	38148
Gyrodinium spp.	2890	1156	1584	1734	400	40	1008	
Helicostomella spp.	1734	3468	144				432	
Heterocapsa triquetra	82076	56644	720	121380	120	40	2160	2890

24-Jul-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Leptocylindrus minimus						40	144	
Mediopyxis helysia						40		
Mesodinium rubrum	12716	578	144	11560	40	40	6048	3468
Navicula distans					80			
Navicula transitans var. *derasa* f. *delicatula*					80			
Prorocentrum minimum	4046		8496	578	200		144	2890
Prorocentrum sp. (small)		578	7056					
Protoperidinium bipes								578
Protoperidinium brevipes	578		432		80			
Protoperidinium conicum	578			578				
Protoperidinium ovatum	578				40			
Protoperidinium spp.	1156	1156		578	80			
Scrippsiella sp.				4624				
Scrippsiella trochoidea	32368	63002	6336	4624	40		2160	27166
Thalassionema nitzschioides					40			
Thalassiosira baltica						120		
Thalassiosira spp.							288	
Tintinnida	13872		720	16762	2200	240	7344	7514
Tintinnopsis spp.					4080			
Unarmoured dinoflagellate	27166	24276	35136	2890	40	40	2736	11560
31-Jul-07								
Alexandrium fundyense	17568	91613	24336	1440	960	1400	280	17136
Alexandrium fundyense (cyst)					80	40		
Alexandrium fundyense (duplet)		867						
Alexandrium fundyense (fusing)								144
Alexandrium fundyense (planozygote)	1728	7225	8208	1296	760	1200		1008
Alexandrium ostenfeldii							40	
Amphidinium carterae				144	40			
Amphidinium sphenoides								144
Amylax triacantha							40	
Apedinella radians								144
Armoured dinoflagellate	1296	3757	4176	864	200	40	760	1728
Asterionellopsis glacialis						40		
Cerataulina pelagica							120	
Ceratium horridum								288
Ceratium lineatum		289						
Ceratium longipes	144	578	1440			80		288
Ceratium tripos	144							
Chaetoceros brevis						80		
Chaetoceros furcellatus						40		
Chaetoceros socialis	6912	2890	8496	5472	8560	40	240	1296
Chaetoceros spp. (Hyalochaete)	144		144			520	40	
Commation cryoporinum						120		
Copepoda					40	40	40	
Corethron hystrix								144
Coscinodiscus spp.					40			
Coscinodiscus wailesii							40	
Cylindrotheca closterium	3312	1156	576	2880	1760	760	10080	1872
Cylindrotheca gracilis					40			

31-Jul-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dictyocha speculum			864				3840	2880
Dinobryon spp.	144	578	432	144	40			
Dinophysis acuminata	864	1156	2160	432			160	3888
Dinophysis acuta							40	144
Dinophysis dens			288					
Dinophysis norvegica	144		1728				80	1728
Ebria tripartita							160	144
Eutreptiella sp.	864	289	576	3456		40	7040	2016
Gonyaulax spinifera	1296	7225	1872					864
Guinardia delicatula	144				200	240	320	2880
Gyrodinium spp.	576	2023	432	144	160	120	1440	2448
Helicostomella spp.	576	289	288				320	144
Heterocapsa triquetra	3600	2890	5040	1152			320	8928
Laboea sp.							80	
Leptocylindrus minimus					120			
Mesodinium rubrum	5904	7514	2592	864	40	80	7800	44064
Navicula distans	144			144	80	120	40	144
Navicula transitans var. *derasa* f. *delicatula*	288					40		
Parafavella spp.	144							
Pennate diatom				144			200	
Pleurosigma angulatum							40	
Polykrikos spp.				144	40			
Prorocentrum minimum	576	1445	720	144			240	720
Prorocentrum sp. (small)	144		1152	288				
Protoperidinium bipes								288
Protoperidinium brevipes	288							576
Protoperidinium conicum				144				144
Protoperidinium spp.				144	40	160	80	144
Pseudo-nitzschia delicatissima group	288				40	120		
Ptychocylis spp.						80		
Scrippsiella sp.							240	
Scrippsiella trochoidea	5760	33235	12240			40	160	12816
Thalassionema nitzschioides						40		
Thalassiosira baltica						80		
Thalassiosira spp.						40	80	
Tintinnida	5328	4335	2016	3024	680	640	2080	8928
Tintinnopsis spp.					40	160		
Unarmoured dinoflagellate	3888	14450	14688	864	480	480	2040	8064
7-Aug-07								
Alexandrium fundyense	9936	13005	3888		120		144	7776
Alexandrium fundyense (cyst)					40			
Alexandrium fundyense (duplet)		578						
Alexandrium fundyense (planozygote)	432	1156	144		80			
Amylax triacantha							144	288
Apedinella radians	144		288					
Armoured dinoflagellate	11952	8670	4176	867	520	120	4752	16848
Centric diatom						40		
Cerataulina pelagica							144	
Ceratium longipes			288			40	288	144

7-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ceratium tripos								288
Chaetoceros contortus	144		432		40			
Chaetoceros convolutus f. *trisetosa*	144		144					
Chaetoceros pseudobrevis						400		
Chaetoceros socialis	29520	201722	101150	183226	39520	21120	1440	
Chaetoceros spp. (Hyalochaete)	432	289	864	867	280		288	1152
Copepoda					40			
Coscinodiscus spp.			144					
Coscinodiscus wailesii			432					
Cylindrotheca closterium	2448	2312	2736	8381	2040	2360	720	
Dictyocha speculum	288	289	1008	578	80		4896	10656
Dinobryon spp.	576					80		
Dinophysis acuminata	288	2601	2736				432	4032
Dinophysis fortii							144	720
Dinophysis norvegica	144	578	432	289			288	144
Dinophysis rotundata		289						
Dinophysis spp.			144					
Ebria tripartita							576	288
Eutreptiella sp.	2592	289	1440		80	40	4032	2592
Gonyaulax digitale		1445						
Gonyaulax spinifera	288	5780	288					2304
Guinardia delicatula	432	578	1008	289	160	280	1296	3024
Gyrodinium spp.	288	289	720	289	240	120	720	864
Helicostomella spp.		578	288					
Heterocapsa triquetra	576	11560	4752	289	80		9936	5040
Laboea sp.				289	40			
Lemnoxia faveolata							144	
Leptocylindrus mediterraneus			144					
Leptocylindrus minimus	432	578	288	1445	40		144	
Mediopyxis helysia			144					
Mesodinium rubrum	1008	3757	5328	1156	600		11952	8208
Navicula distans					40			
Navicula transitans var. *derasa* f. *delicatula*				578	120			
Pennate diatom	144		144			80		
Polykrikos spp.			144	289				
Preperidinium meuneri			144					
Prorocentrum minimum	720		144	1156	160		3312	18576
Prorocentrum sp. (small)			288					144
Protoperidinium bipes			288	289				
Protoperidinium brevipes			288					144
Protoperidinium spp.		289	288				144	
Pseudo-nitzschia delicatissima		289						
Pseudo-nitzschia delicatissima group			1584	1445	240	560		
Ptychocylis spp.				289				
Scrippsiella sp.	17424	12138	1152				3600	14976
Scrippsiella trochoidea	3744	25721	2592				432	2736
Skeletonema costatum			144					
Thalassionema nitzschioides					80	200		
Thalassiosira anguste-lineata					80			

7-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira baltica					40			
Thalassiosira spp.	144				40	40		
Tintinnida	864	4335	4896	4335	760	80	3600	26784
Tintinnopsis spp.					40	40		
Unarmoured dinoflagellate	864	4913	2736	867	560	240	1584	1728
14-Aug-07								
Alexandrium fundyense	288	2023	12427	867	1156			864
Alexandrium fundyense (duplet)			289	289				
Alexandrium fundyense (planozygote)		289			578			
Amphidinium carterae					289			
Amphidinium sphenoides				289				
Apedinella radians		289			1445		40	
Armoured dinoflagellate	5184	8670	27744	3757	1734	432	160	9360
Asterionellopsis glacialis				289	289	432		
Brachionus spp.			867					
Cerataulina pelagica	576	289	289		289		1160	4032
Ceratium horridum								288
Ceratium lineatum			289					
Ceratium longipes		578						432
Chaetoceros contortus	1872	867	3468	10404	10404	864		
Chaetoceros convolutus f. *trisetosa*	576	867						144
Chaetoceros danicus								144
Chaetoceros didymus			289					
Chaetoceros laciniosus					289			
Chaetoceros lorenzianus								144
Chaetoceros pseudobrevis						288		
Chaetoceros radicans	144			289	289	432		
Chaetoceros similis								288
Chaetoceros socialis	115022	163574	139298	48841	110109	41904	320	2736
Chaetoceros spp. (Hyalochaete)	2592	4046	6647	9826	11560		120	4176
Commation cryoporinum						144		
Copepoda							80	
Coscinodiscus spp.			289		289		40	
Coscinodiscus wailesii	144							
Cylindrotheca closterium	4752	3468	5202	8670	8670	4896	1360	1728
Dactyliosolen fragilissimus	288	289	867	1156		576		
Dictyocha speculum	720	289		289		144	840	3024
Dinobryon spp.	288	1445						144
Dinophysis acuminata	864	578	3179	578	289		40	144
Dinophysis fortii			289				40	
Dinophysis norvegica	288		867			144	240	
Ditylum brightwellii					289			
Ebria tripartita		289					160	3024
Eucampia zodiacus	288							
Eutreptiella sp.	1728	578	3757	2601	289		1400	3312
Gonyaulax digitale		1734	289					
Gonyaulax spinifera		578	1445	578				144
Guinardia delicatula	864	3179	3757	2601	2890	1440	960	6480
Gyrodinium spp.	1152	867	2023		578	144	200	1728

14-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gyrosigma fasciola	144							
Helicostomella spp.	144		2890		289	144	40	
Heterocapsa triquetra	3456	9248	31501	3757	3757		80	1584
Laboea sp.							80	
Lennoxia faveolata	144						200	
Leptocylindrus danicus					289			
Leptocylindrus mediterraneus	144							
Leptocylindrus minimus	4896	13294	3179	3757	3468	864	240	1584
Mesodinium rubrum	2304	3179	9537	1445	578	432	5760	2304
Navicula distans					289			144
Navicula transitans var. *derasa* f. *delicatula*	432		1156	578	289	144		
Parafavella spp.					289			
Pennate diatom		289	289	867		432	80	
Polykrikos spp.					289			
Prorocentrum minimum	432	1156	1445	2890	1156	288	120	28080
Prorocentrum sp. (small)					289			
Protoperidinium bipes					289			
Protoperidinium brevipes			578		578			
Protoperidinium spp.			867	289				
Pseudo-nitzschia delicatissima	17136			2023		3168	200	864
Pseudo-nitzschia delicatissima group		20230	28322		25721			
Pseudo-nitzschia pseudodelicatissima	2016	15895	9826	34969		2160	80	432
Pseudo-nitzschia pungens								576
Pseudo-nitzschia seriata	144							
Pseudo-nitzschia seriata group								288
Scrippsiella sp.	2880	11560	7225	1734	289		40	5760
Scrippsiella trochoidea	1440	4624	24854	1734	289		40	288
Skeletonema costatum	288		1445	1445	1156		120	
Thalassionema nitzschioides	576			289	867	144		
Thalassiosira baltica					578			
Thalassiosira sp. (tiny)			1156					
Thalassiosira spp.	432			2601	1445	720		
Tintinnida	1296	2601	3179	1156	2023	864	520	9648
Tintinnopsis spp.						144		
Unarmoured dinoflagellate	864	1156	6358	578	867		440	1296
21-Aug-07								
Alexandrium fundyense	288	193	386	4046				1445
Alexandrium fundyense (cyst)				578				
Alexandrium fundyense (duplet)				578				
Alexandrium fundyense (planozygote)			193					
Amphidinium sphenoides			193	1156				
Amylax triacantha				578				
Apedinella radians							96	
Armoured dinoflagellate	2880	3667	2509	10404	867	576	96	23987
Asterionellopsis glacialis	144							
Cerataulina pelagica	432	1158	772	1156	1156		2496	10982
Chaetoceros contortus		1158	965	8670	1734	3024		
Chaetoceros convolutus f. *trisetosa*	144	579	193				96	
Chaetoceros didymus	144					288		

21-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros furcellatus						432		
Chaetoceros laciniosus	288	193	772			432		
Chaetoceros lorenzianus	144							
Chaetoceros radicans					289	144		
Chaetoceros socialis	29478	35319	73984	80920	31790		96	578
Chaetoceros spp. (Hyalochaete)	576	6948	12931	33524	6358	16992	384	289
Chrysochromulina parkeae								289
Copepoda					289		96	
Corethron hystrix								289
Coscinodiscus spp.	144							
Coscinodiscus wailesii	144	193						
Cylindrotheca closterium	2160	772	965	2890	4046	1008	960	
Dactyliosolen fragilissimus	2160	2123	2702	2890	578	864	96	
Dictyocha speculum	1008	193		1156	289		1152	3757
Dinophysis acuminata	1152		386	1734			384	867
Dinophysis acuta			193					
Dinophysis dens	144			1734				
Dinophysis fortii							96	578
Dinophysis norvegica							96	
Dinophysis pulchella		193						
Ditylum brightwellii						144		
Ebria tripartita	288		193				1152	18207
Eucampia zodiacus			386	578	578			
Eutreptiella sp.	2736	579	193	3468			768	1156
Gonyaulax spinifera								578
Guinardia delicatula	8352	7913	4632	5780	4046	3744	3744	5780
Gyrodinium spp.			1930	2312	289	144	96	289
Helicostomella spp.	288	386					288	
Heterocapsa triquetra	2592	1158	1158	12138			96	867
Lennoxia faveolata	144							
Leptocylindrus danicus		386						
Leptocylindrus mediterraneus	144		193				192	
Leptocylindrus minimus	10512	11966	9457	30634	3757	1296	480	
Mesodinium rubrum	4176	965	1930	1734	289	432	20736	867
Navicula transitans var. *derasa* f. *delicatula*	432				578	576		
Notholca spp.	144							
Parafavella spp.				578				
Pennate diatom	144	193	193		289			
Polykrikos spp.			193					
Proboscia alata		193						
Prorocentrum minimum	1296		579		578		1344	76585
Prorocentrum sp. (small)					578			
Protoperidinium brevipes			386					
Protoperidinium conicum				578				
Protoperidinium spp.			193			144		
Pseudo-nitzschia americana	144							
Pseudo-nitzschia delicatissima group	67048	286724		331194	149702	36576	960	1156
Pseudo-nitzschia pseudodelicatissima			331772					
Pseudo-nitzschia pungens				578			2112	36414

21-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia seriata group	144	1737	193					
Pseudo-nitzschia subpacifica			193					
Scrippsiella sp.	2304	4246	965	4046				6647
Scrippsiella trochoidea	864	965	1930	4624				2312
Skeletonema costatum		1544	1158		867	2592	480	
Thalassionema nitzschioides						288	96	
Thalassiosira anguste-lineata						288		
Thalassiosira baltica			386					
Thalassiosira sp. (tiny)						144		
Thalassiosira spp.	288	1158	1930	4046	2023	3600		
Tintinnida	2016	965	965	2312		576	768	2890
Unarmoured dinoflagellate	576	2123	772	7514	289		480	
28-Aug-07								
Alexandrium fundyense		289		289				
Amphidinium carterae					289			
Amphidinium sphenoides	9826	867	9248	4913	3179	2312		
Amylax triacantha							40	
Apedinella radians	289	578	1445				40	289
Armoured dinoflagellate	4913	19363	6069	8670	4624	578	160	10982
Cerataulina pelagica	3757	867	2312	4046	4624	1445	2320	1734
Ceratium longipes	289							
Chaetoceros convolutus f. *trisetosa*	1445	1156	578					
Chaetoceros debilis	289							
Chaetoceros laciniosus			578	289				
Chaetoceros lorenzianus	578							289
Chaetoceros pseudobrevis							80	
Chaetoceros radicans						289		
Chaetoceros similis		289	867		578	289		
Chaetoceros socialis	37859	6358	21675	17051	17918		280	
Chaetoceros spp. (Hyalochaete)	1445	1734	1156	578	1734	8092	240	
Chaetoceros subtilis	289							
Chrysochromulina parkeae			289					
Commation cryoporinum	289				578			
Copepoda							120	
Corethron hystrix	289							
Coscinodiscus spp.							40	
Coscinodiscus wailesii	289						80	
Cyclotella spp.							800	
Cylindrotheca closterium	867	578	1734	867	1734	1734	240	
Dactyliosolen fragilissimus	4046	289	2890	3468	3468	3468	120	867
Dictyocha speculum				578	2023		1000	578
Dinophysis acuminata	1445		289	867	578		160	5202
Dinophysis fortii							40	289
Dinophysis norvegica			289	289	289		240	
Ditylum brightwellii	289							
Ebria tripartita				578	289		1280	13294
Eucampia zodiacus		289			289			
Eutreptiella sp.	5780	2023	1734	2890	289		680	1156
Favella spp.								867

28-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gonyaulax spinifera	289							289
Guinardia delicatula	5202	578	2601	2312	5202	3757	1480	1445
Gyrodinium spp.	1445				289	578		
Helicostomella spp.	578	289	289					
Heterocapsa triquetra	2023	578	3468				120	3757
Laboea sp.					289		80	
Leptocylindrus danicus	289				289			
Leptocylindrus mediterraneus			1445					
Leptocylindrus minimus	25721	43928	26588	2312	12138	5491	4320	867
Mesodinium rubrum	5491	578	3468	2023	289		1160	
Navicula transitans var. *derasa* f. *delicatula*				578		578		
Odontella aurita	289							
Pennate diatom	2312	578			578			
Pleurosigma strigosum					289			
Polykrikos spp.	578				289			
Prorocentrum minimum	289		289	578	578	289	2000	79186
Prorocentrum sp. (small)				289				
Protoperidinium bipes	1156	289	1156	5202	4335			
Protoperidinium conicum	289							
Protoperidinium ovatum			289					
Protoperidinium punctulatum				289				
Protoperidinium spp.	578		289					
Protoperidinium steinii					289			
Pseudo-nitzschia delicatissima			164730					
Pseudo-nitzschia delicatissima group	266667	162418					1680	2023
Pseudo-nitzschia fraudulenta		578	578	289	289	289		
Pseudo-nitzschia pseudodelicatissima	289			153170	311542	145656		
Pseudo-nitzschia pungens	1734	289	2312	2601	7514	1156	8080	55488
Pseudo-nitzschia seriata		289	578	867	867	289		
Pseudo-nitzschia seriata group				4624				
Pseudo-nitzschia subpacifica	867				289			
Pseudo-nitzschia turgidula					289			
Scrippsiella sp.	4335	132940	2312				160	6358
Scrippsiella trochoidea	2023	1734	1156					3179
Skeletonema costatum	867					867	1760	
Thalassionema nitzschioides						289		
Thalassiosira anguste-lineata						578		
Thalassiosira baltica			289		578			
Thalassiosira bioculata					578			
Thalassiosira gravida	289		1156		289			
Thalassiosira punctigera			289		289			
Thalassiosira spp.	3757	578	1445	1734	6358	5491	160	289
Tintinnida	3468	1734	2312	2023	289	289	1160	2601
Unarmoured dinoflagellate	3468		4046	867	867	578	240	
4-Sep-07								
Alexandrium fundyense	40						40	
Amphidinium sphenoides	200	3168	7920	6562	720	96		1728
Amylax triacantha			144					
Apedinella radians	40	576	576	193			40	288

4-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	1640	3168	5616	1544	144			1296
Centric diatom								288
Cerataulina pelagica	1240	6624	5472	2895	1728	576	120	288
Ceratium fusus							40	
Ceratium lineatum		144						
Chaetoceros convolutus f. *trisetosa*		144					40	
Chaetoceros furcellatus						96		
Chaetoceros similis							40	
Chaetoceros socialis	200		144					
Chaetoceros spp. (Hyalochaete)						96	40	
Chrysochromulina parkeae		144						
Commation cryoporinum						96		
Copepoda	80					96	80	
Corethron hystrix	80	432	144	386		192		
Coscinodiscus spp.						192		
Coscinodiscus wailesii	480	288	144					288
Cylindrotheca closterium	280	1440	1728	2509	2304	768	40	288
Dactyliosolen fragilissimus	320	1584	1440	965	1728	1632	40	432
Dictyocha speculum	480	432	864	579	432	96	800	13824
Dinophysis acuminata	200	1440	1152				40	4608
Dinophysis acuta								432
Dinophysis dens			288					288
Dinophysis fortii								1152
Dinophysis norvegica		144	288				40	432
Dinophysis pulchella	40							
Ditylum brightwellii						96		
Ebria tripartita	920	2304	1152	193			480	3024
Eucampia zodiacus	40	144			144			
Eutreptiella sp.	1480	10224	4464	579	144	96	120	3456
Favella spp.	40							
Guinardia delicatula	160	576	720	965	432	1632		288
Guinardia flaccida			576					144
Gyrodinium spp.	120	144	1008	579	288		40	
Helicostomella spp.			144			96	40	432
Heterocapsa triquetra	120	1440	1152					576
Laboea sp.							160	
Lennoxia faveolata	40	432					40	
Leptocylindrus danicus		432	720	386	144	192		
Leptocylindrus mediterraneus	120	144	2736				80	144
Leptocylindrus minimus	360	16416	5040	4246	4176	1728	1040	144
Mesodinium rubrum	2200	13248	9072	2123		384	5280	6336
Micracanthodinium claytonii	40							
Navicula distans		144						
Navicula transitans var. *derasa* f. *delicatula*	40			579	288	96	40	
Pennate diatom	120	1008	432					288
Polykrikos spp.							40	
Prorocentrum minimum	200	720	1296	772	432	192	720	31680
Prorocentrum sp. (small)	40			386				
Protoperidinium bipes	160	720	1872	772	1584	96		720

4-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Protoperidinium conicum	80							
Protoperidinium spp.			576		288			144
Pseudo-nitzschia delicatissima group	2480	5904	11520	36863	82654	36096	1920	576
Pseudo-nitzschia fraudulenta					288	96		
Pseudo-nitzschia pseudodelicatissima					288			
Pseudo-nitzschia pungens	2400	7776		13703	6912	5760	2800	6624
Pseudo-nitzschia seriata	40							
Pseudo-nitzschia seriata group		288	10368		1008			
Pseudo-nitzschia subpacifica	40							
Scrippsiella sp.	640	1440	1872	193				576
Scrippsiella trochoidea		432	1296				40	
Skeletonema costatum					144	96	760	
Thalassionema nitzschioides	40					672		
Thalassiosira baltica						576		
Thalassiosira bioculata	40							
Thalassiosira gravida			144	193	864	480		
Thalassiosira punctigera		432			288	192		
Thalassiosira sp. (tiny)			144				440	
Thalassiosira spp.	40	288		1930	2448	1920		
Tintinnida	840	4176	11376	579	576		1280	8208
Tintinnopsis spp.					1008	384		
Unarmoured dinoflagellate	600	1872	1440	579	144		120	1296
11-Sep-07								
Alexandrium fundyense					40			
Amphidinium carterae			80	289				
Amphidinium sphenoides	1728	8106	2880	13005	4040	1320	80	280
Apedinella radians	2736	5018	2480	4046	240			140
Armoured dinoflagellate	5040	5597	3600	5202	4800	280	40	1960
Aulacoseira ambigua								70
Calliacantha sp.	144	193	80					
Centric diatom							80	
Cerataulina pelagica		193	40		40	80	160	70
Ceratium lineatum								70
Chrysochromulina parkeae	576	1158	440					70
Commation cryoporinum					40	80		
Copepoda							160	70
Corethron hystrix				289	40	40	40	210
Coscinodiscus spp.			40			40	40	
Coscinodiscus wailesii	288	193	800	1445	720	40	280	980
Cylindrotheca closterium	1872	3667	1040	1734	880	2080	80	210
Dactyliosolen fragilissimus						280	80	
Dictyocha speculum	576	965	320	289	720	40	680	11760
Dinobryon spp.			80	2023	80			
Dinophysis acuminata	288	386	920	1445			240	1750
Dinophysis norvegica	288		120		40			70
Dinophysis pulchella			40					
Ebria tripartita	288	386	280	289	440		640	840
Eutreptiella sp.	10800	21423	20080	21097	3600		800	3080
Favella spp.	288	193	120					

11-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gonyaulax digitale			40					70
Gonyaulax spinifera			40	289				
Guinardia delicatula	144	193		289	80	160		
Gyrodinium spp.	432	1351	1160	289	440	360	160	140
Helicostomella spp.			400	578				140
Heterocapsa triquetra		193	40					
Laboea sp.			40		160		640	
Lemmoxia faveolata			40					70
Leptocylindrus danicus			40			120		
Leptocylindrus mediterraneus	1008	1158	1840		640			210
Leptocylindrus minimus	4032	9843	1080	9826	2640	2360	480	700
Mesodinium rubrum	9360	29915	9240	17629	1320	200	6680	3290
Micracanthodinium claytonii		579	680		40			70
Navicula distans						40		140
Navicula transitans var. *derasa* f. *delicatula*	576		40		800	40		
Notholca spp.			80					70
Pennate diatom	288				280			70
Pleurosigma angulatum	144							
Polykrikos spp.	144	193	320	289	160			70
Prorocentrum minimum	144			2312	520	280	560	6090
Prorocentrum sp. (small)				289				
Protoperidinium bipes			80	289	40	40		
Protoperidinium brevipes	144							
Protoperidinium punctulatum	144							
Protoperidinium spp.			240		120		40	
Protoperidinium steinii					40			
Pseudo-nitzschia delicatissima group	432		80			1160	600	70
Pseudo-nitzschia fraudulenta			160		40	40		
Pseudo-nitzschia pseudodelicatissima						40		
Pseudo-nitzschia pungens	288	193	200		480	2320	160	140
Pseudo-nitzschia seriata group				1156	80	120		
Rhizosolenia imbricata					40			
Scrippsiella sp.	2304	3474	1640	2023				490
Scrippsiella trochoidea	144	193	800	1734				
Skeletonema costatum						160	2000	
Thalassionema nitzschioides						40		
Thalassiosira anguste-lineata	432					40		
Thalassiosira baltica	576					480		
Thalassiosira gravida						40		
Thalassiosira oestrupii							560	
Thalassiosira punctigera	144				200	400		
Thalassiosira spp.	144	193			80	200		70
Tintinnida	28224	43039	19400	82654	8280	280	3040	8470
Tintinnopsis spp.						40		
Unarmoured dinoflagellate	3024	4246	3040	1734	1960	440	240	980
18-Sep-07								
Amphidinium carterae	40	200	420					
Amphidinium sphenoides	280	400	2170	720	1880	160	20	144
Apedinella radians	100	160	840	840			20	144

18-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	520	2720	7560	2240	40	120	80	576
Calliacantha sp.	20		140				20	
Centric diatom				80				
Cerataulina pelagica				240		40	20	
Ceratium lineatum			140	40				144
Ceratium spp.								144
Chrysochromulina parkeae		80	1330					
Commation cryoporinum					40	40		
Copepoda	20						20	
Corethron hystrix	20				120	80	80	144
Coscinodiscus spp.	40		70	40				
Coscinodiscus wailesii	520	720	910	960	200	40	240	432
Cylindrotheca closterium	140	360	840	520	2000	480	100	
Dactyliosolen fragilissimus					80	40	80	
Dictyocha speculum	160	120	140	120	120		980	49130
Dinobryon spp.			70	80				
Dinophysis acuminata	120		1680	520			40	3600
Dinophysis dens			70	40				
Dinophysis norvegica				40				
Dinophysis pulchella							40	
Dinophysis spp.							20	3024
Ebria tripartita	160	120	70	40	40		100	1728
Eutreptiella sp.	3260	2440	7980	5800	320		440	5040
Gonyaulax digitale		40						144
Guinardia delicatula		80			40	40		
Guinardia flaccida							140	
Gyrodinium spp.	100	200	2450	560	160		40	
Helicostomella spp.	20	40	350					720
Laboea sp.				200			740	144
Leptocylindrus mediterraneus		80	560	160				
Leptocylindrus minimus	180	480	350	40	480	280	160	
Mesodinium rubrum	1760	4480	13160	1040	80	40	5140	19584
Micracanthodinium claytonii	40		140					
Navicula distans				160	240	40		
Navicula transitans var. *derasa* f. *delicatula*	40					40		
Pennate diatom	60	160		40	80	40		
Pleurosigma / Gyrosigma							20	
Pleurosigma angulatum	20							
Polykrikos spp.			210	40				
Porosira glacialis						40		
Prorocentrum minimum	100	40	70	160			540	65603
Prorocentrum sp. (small)					40			
Protoperidinium brevipes				40				
Protoperidinium spp.			140					
Pseudo-nitzschia delicatissima group					400	120	20	
Pseudo-nitzschia fraudulenta					40	40		
Pseudo-nitzschia pseudodelicatissima				40	80			
Pseudo-nitzschia pungens		40		80	160	80	20	288
Pseudo-nitzschia seriata group						40		

18-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia subpacifica					40			
Rhizosolenia setigera	20	80				40	20	
Scrippsiella sp.	100	1560	1190					
Scrippsiella trochoidea		80	700	40				
Skeletonema costatum							100	
Thalassiosira baltica					40	480		
Thalassiosira gravida						80		
Thalassiosira punctigera	20	40		80	240	240	20	
Thalassiosira spp.					120	360	100	
Tintinnida	1860	7880	12250	11360	280	120	2520	9216
Unarmoured dinoflagellate	340	1000	6020	1400	120	80	160	2160
25-Sep-07								
Achnanthes sp.							20	
Alexandrium fundyense					80	40		144
Amphidinium carterae	60	40	80	40				
Amphidinium sphenoides	20	640	120	440	120			
Apedinella radians		680	480					
Armoured dinoflagellate	300	9880	5640	4840	120		20	576
Aulacoseira ambigua							20	
Calliacantha sp.		120						
Centric diatom			80					144
Cerataulina pelagica				40			40	
Ceratium lineatum	20		120	160				
Ceratium longipes				80	40			288
Chaetoceros pseudobrevis					40			
Chaetoceros socialis					1600			
Chaetoceros spp. (Hyalochaete)	20				120			
Chrysochromulina parkeae		240	120					
Commation cryoporinum				80				
Copepoda	60	200			40		40	
Corethron hystrix							80	720
Coscinodiscus spp.	240	200	240	200	80			
Coscinodiscus wailesii	100		280	280	160	240		
Cylindrotheca closterium	940	1680	1760	1840	200	200	80	144
Cylindrotheca gracilis	20							
Dactyliosolen fragilissimus					160		140	
Dictyocha speculum	140	120	440	2680		40	640	57222
Dinobryon spp.		40						
Dinophysis acuminata	80		480	800			20	3888
Dinophysis dens								144
Dinophysis norvegica			80		40			
Dinophysis pulchella				40				1296
Ebria tripartita		40	80	80			20	1152
Eucampia zodiacus								144
Eutreptiella sp.	620	3480	3400	5760	40		260	1440
Gonyaulax digitale								144
Grammatophora marina						40		
Guinardia delicatula		80	40	40	80	40		
Guinardia flaccida	20				40			288

25-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gyrodinium spp.	140	280	680	680	80		140	
Helicostomella spp.	20		40	80			80	864
Heterocapsa triquetra		120						
Laboea sp.	40		120	40			620	
Lennoxia faveolata	20	1280	920	40				
Leptocylindrus danicus		80	40	120		40	20	
Leptocylindrus mediterraneus	40	200	600			40		
Leptocylindrus minimus	140	160	160	40	40	40	100	
Licmophora spp.			40					
Melosira monoliformis							20	
Mesodinium rubrum	3920	1640	3160	1400	160		2500	6768
Micracanthodinium claytonii			40					
Navicula distans	40		40					
Navicula transitans var. *derasa* f. *delicatula*				40	40			
Notholca spp.	20						60	
Oxytoxum gracile				120				
Pennate diatom	20	40	160		40		40	
Pleurosigma angulatum	60						40	
Polykrikos spp.	20						20	
Prorocentrum micans				80				
Prorocentrum minimum	20	40		160	40		400	43061
Protoperidinium bipes			120					
Pseudo-nitzschia delicatissima group	40				80	40	160	
Pseudo-nitzschia fraudulenta		40	40			280		
Pseudo-nitzschia pseudodelicatissima		40	40	40	40		40	
Pseudo-nitzschia pungens		320	120	440			680	1584
Pseudo-nitzschia seriata group				40	40			
Rhizosolenia hebetata f. *semispina*			120			80		
Rhizosolenia setigera		80	120				40	288
Rhizosolenia spp.				80	40			
Scrippsiella sp.		2680	1000	40				288
Scrippsiella trochoidea		480			40			
Skeletonema costatum					40		540	
Thalassiosira baltica			40		40			
Thalassiosira gravida	40	40	120	40				
Thalassiosira punctigera	120	160	320	440	160	80		
Thalassiosira spp.		80		360		40	380	
Tintinnida	900	4840	4200	3400	240	160	1200	27360
Unarmoured dinoflagellate	340	3240	1760	440	40		160	288
1-Oct-07								
Actinoptychus senarius					160			
Alexandrium fundyense				40	40			
Amphidinium carterae			40				20	
Amphidinium sphenoides			160	80				
Apedinella radians			80					
Armoured dinoflagellate	20	20	3640	360	40			600
Asterionellopsis glacialis				80		40		
Centric diatom			40			40		
Cerataulina pelagica			120	600	40			280

1-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ceratium fusus							20	
Ceratium lineatum	20		240					
Chaetoceros convolutus f. *trisetosa*				40				
Chaetoceros furcellatus	20							
Chaetoceros spp. (Hyalochaete)								40
Commation cryoporinum			40	240	40			
Copepoda	60	60	40				20	200
Corethron hystrix	20	20	80				120	960
Coscinodiscus spp.	60	60		200			20	80
Coscinodiscus wailesii			40	120		80		
Cylindrotheca closterium	240	220	4320	4320	520	400	40	120
Dactyliosolen fragilissimus			160	160				
Dictyocha speculum	340	280	400	760	40	40	1880	30320
Dinophysis acuminata	60	40	760	40			120	480
Dinophysis fortii			40					
Dinophysis norvegica								120
Dinophysis pulchella								320
Ditylum brightwellii				160				
Ebria tripartita								480
Eucampia zodiacus								40
Eutreptiella sp.	120	80	1600	920			40	400
Gonyaulax digitale								80
Guinardia delicatula	80	60	200	160	40	40	40	80
Guinardia flaccida	160					40	240	760
Gymnodinium spp.				360				
Gyrodinium spp.	20	20	400		40	40	60	40
Gyrosigma fasciola		40						
Helicostomella spp.			40				20	480
Heterocapsa triquetra			120					
Laboea sp.		20					300	
Lennoxia faveolata			280					
Leptocylindrus danicus			320	40	40	40		
Leptocylindrus mediterraneus			520	200				
Leptocylindrus minimus		20	200	40	40	40		
Licmophora spp.							20	
Mediopyxis helysia					40			
Mesodinium rubrum	3060	140	4600	1160		40	4880	7880
Navicula distans	20							
Notholca spp.	40			120			20	
Odontella sinensis			40			40		
Paralia sulcata		60						
Pennate diatom	20	40	80					
Pleurosigma angulatum	20				40		20	80
Pleurosigma strigosum			40					
Prorocentrum minimum	20				40		220	3400
Protoperidinium spp.			40					
Pseudo-nitzschia delicatissima group		20		40		80		
Pseudo-nitzschia fraudulenta			40			40		
Pseudo-nitzschia pseudodelicatissima				240		40		

1-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pungens			640	1080	160	40	20	240
Pseudo-nitzschia seriata group	40	100			80			
Pseudo-nitzschia subpacifica			40					
Rhizosolenia hebetata f. *semispina*	40		280	200				
Rhizosolenia imbricata		20		40				
Rhizosolenia setigera	20	20	80	160	40	80	200	400
Rhizosolenia spp.					40			
Scrippsiella sp.			560					
Scrippsiella trochoidea			320					
Skeletonema costatum			40				180	
Thalassionema nitzschioides				80	40			
Thalassiosira anguste-lineata			160	280	120			
Thalassiosira baltica			160	240	120			
Thalassiosira gravida			1240	920	200	160		
Thalassiosira punctigera	100	240	3080	2360	360	520		40
Thalassiosira spp.	80	20	240	120	440	40	60	
Tintinnida	200	500	1400	1040	40		280	3720
Tintinnopsis spp.						80	300	
Unarmoured dinoflagellate	60		840	520		40	80	160
16-Oct-07								
Actinoptychus senarius			80					
Alexandrium fundyense					80			40
Amphidinium carterae				80	80			80
Amphidinium sphenoides	40			240		40		
Apedinella radians	40			40				
Armoured dinoflagellate	120	80	120	360	160	80	20	280
Asterionellopsis glacialis				40				
Brachionus spp.					80			
Centric diatom					80			
Cerataulina pelagica					40			440
Ceratium lineatum	80	40	40	80				40
Chaetoceros debilis								40
Chaetoceros furcellatus						40		
Chaetoceros socialis	680		240					
Chaetoceros spp. (Hyalochaete)				40				
Commation cryoporinum					40			
Copepoda	40	20	40					
Corethron hystrix	280	280	440	520	680	120	260	1360
Coscinodiscus spp.		20	120		160		80	120
Coscinodiscus wailesii			40					40
Cylindrotheca closterium	320	200	320	400	280	80	140	440
Dactyliosolen fragilissimus			40	80				
Dictyocha speculum	360	400	1160	360	480	160	980	9800
Dinophysis acuminata		160	80	80	160			480
Dinophysis fortii								200
Dinophysis norvegica	40			80	40	40		
Dinophysis pulchella	80							80
Dinophysis spp.							20	
Ditylum brightwellii	120	220		120	40			

16-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ebria tripartita								80
Eucampia zodiacus								40
Eutreptiella sp.	1920	120	1200	1280	160			240
Gonyaulax digitale								40
Grammatophora marina			40					
Guinardia delicatula		20	440	400	280	40	280	4480
Guinardia flaccida		60	320	320	80	280	220	2760
Gymnodinium spp.				320		120		
Gyrodinium spp.	280	180	200		80		40	160
Gyrosigma fasciola		20						
Helicostomella spp.								40
Heterocapsa triquetra	120		80	280	40			40
Laboea sp.			40				60	80
Leptocylindrus danicus		20	200	80	40			40
Leptocylindrus mediterraneus			120		40	40		
Leptocylindrus minimus				40				
Licmophora spp.						40		
Mediopyxis helysia						40		
Mesodinium rubrum	3760	420	640	1200	240		620	2600
Micracanthodinium claytonii	40							
Navicula distans		40		40			20	280
Notholca spp.			40					
Odontella sinensis	80	20	120	120	80	80		
Paralia sulcata	40							40
Pennate diatom			40				20	
Pleurosigma angulatum		20						
Prorocentrum minimum	40					40		200
Protoperidinium bipes	40							
Protoperidinium conicum					80			
Protoperidinium punctulatum		40						40
Protoperidinium spp.			40					40
Pseudo-nitzschia delicatissima group						120		
Pseudo-nitzschia fraudulenta	80	280		280	200	40		
Pseudo-nitzschia pseudodelicatissima	80	120	160		360	160		
Pseudo-nitzschia pungens	320	2820	2280	2040	1600	1240	100	280
Pseudo-nitzschia seriata			480					
Pseudo-nitzschia seriata group			40	600	40			
Pseudo-nitzschia subpacifica	80	180		160				40
Pseudo-nitzschia turgidula						120		
Rhizosolenia imbricata		60				80		
Rhizosolenia setigera	120	40	80	360	120		600	1280
Rhizosolenia spp.				40		40		
Scrippsiella trochoidea	40							40
Skeletonema costatum							260	
Stephanopyxis turris		20						
Thalassionema nitzschioides			40	40	40			
Thalassiosira anguste-lineata	80		40		40			
Thalassiosira baltica	80	20	40	160	40	360		80
Thalassiosira gravida	520	920	720	2040	1960	1040	120	280

16-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira punctigera	1760	2000	3200	3080	2480	1480	200	1680
Thalassiosira spp.	120	40		40	480	1080	40	
Tintinnida	1400	100	280	560	240	200	240	1120
Tintinnopsis spp.						40		
Unarmoured dinoflagellate	240	40	120	160	200		40	200
23-Oct-07								
Actinoptychus senarius	160	40						
Alexandrium fundyense								40
Amphidinium sphenoides		40						
Apedinella radians	40							40
Armoured dinoflagellate	80	40					160	360
Centric diatom								80
Cerataulina pelagica	40	80					20	
Ceratium lineatum		40						40
Chaetoceros convolutus		40						
Chaetoceros debilis	40						20	
Chaetoceros socialis	80	360						
Chaetoceros spp. (Hyalochaete)		40					20	
Copepoda		80					60	40
Corethron hystrix	760	1200					420	280
Coscinodiscus spp.	40	120					80	
Cylindrotheca closterium	680	960					80	360
Dactyliosolen fragilissimus	40							40
Dictyocha speculum	520	1680					700	3680
Dinophysis acuminata	80	80						600
Dinophysis pulchella								80
Ditylum brightwellii	120	600						
Eutreptiella sp.	120	1440					60	880
Gonyaulax digitale								40
Guinardia delicatula	200	160					900	3200
Guinardia flaccida	360	40					540	1360
Gyrodinium spp.							60	80
Gyrosigma fasciola		40						
Helicostomella spp.								40
Heterocapsa triquetra		40						200
Laboea sp.							340	240
Leptocylindrus mediterraneus								80
Licmophora spp.		40						
Mesodinium rubrum	3880	2360					5880	2080
Navicula distans		40						
Navicula transitans var. *derasa* f. *delicatula*							20	
Notholca spp.							20	
Odontella sinensis	200	120					20	
Pennate diatom		40						
Prorocentrum minimum		40						80
Prorocentrum sp. (small)		40						
Protoperidinium spp.		40						80
Pseudo-nitzschia fraudulenta	40	120						
Pseudo-nitzschia pseudodelicatissima	160	240						

23-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pungens	480	680						80
Pseudo-nitzschia seriata group		200						
Pseudo-nitzschia subpacifica	160	600					20	
Rhizosolenia setigera	120	120					580	720
Scrippsiella trochoidea								240
Skeletonema costatum							200	120
Thalassionema nitzschioides	40							
Thalassiosira baltica	320	120					20	80
Thalassiosira gravida	360	1040					200	40
Thalassiosira punctigera	3240	2560					500	800
Thalassiosira sp. (tiny)							20	
Thalassiosira spp.		520					40	40
Tintinnida	80	240					540	4360
Unarmoured dinoflagellate							200	400
30-Oct-07								
Actinoptychus senarius	200	600		40				280
Alexandrium fundyense				40				
Amphidinium carterae	20	20						
Apedinella radians			20					
Armoured dinoflagellate	100	80					60	280
Asterionellopsis glacialis			20					
Centric diatom			100		120			
Cerataulina pelagica	20							200
Ceratium lineatum	20		20					80
Chaetoceros debilis			20					
Chaetoceros socialis		20						
Chaetoceros spp. (Hyalochaete)		40						120
Commation cryoporinum		20	20					
Copepoda		20						
Corethron hystrix	80	740	380	120	520		260	640
Coscinodiscus spp.	40	60	60	40				120
Cylindrotheca closterium	420	940	720	120	400	200	240	640
Dactyliosolen fragilissimus	20					40		
Dictyocha speculum	280	280	320		80	120	280	2720
Dinophysis acuminata	100		40	40			20	560
Dinophysis fortii								40
Dinophysis pulchella	20							160
Ditylum brightwellii	40	40	40			120		80
Ebria tripartita							20	
Eutreptiella sp.	200	300	80	80		40	60	160
Gonyaulax spinifera							20	
Guinardia delicatula	620	80	540	240	360	40	520	1080
Guinardia flaccida	340		240	120	120	80	200	360
Gyrodinium spp.	20	20			40			120
Helicostomella spp.	40							
Heterocapsa triquetra								40
Laboea sp.	20		40				80	200
Leptocylindrus danicus		20						
Leptocylindrus mediterraneus			20					

30-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Licmophora spp.		60						
Mesodinium rubrum	2360	2420	2800	120	200		2000	11600
Navicula distans	40	120	40		40	40		
Navicula transitans var. *derasa* f. *delicatula*			20					
Notholca spp.						40		
Odontella aurita	20							
Odontella sinensis	80	160		80	80	40	20	
Paralia sulcata					40	40		
Pennate diatom	80	40					20	
Pleurosigma angulatum		60						
Prorocentrum micans					80			
Prorocentrum minimum		40			80			120
Prorocentrum sp. (small)					40			
Protoperidinium punctulatum	40							240
Protoperidinium spp.			20					
Pseudo-nitzschia delicatissima group		20	20	40		40		
Pseudo-nitzschia fraudulenta		40						
Pseudo-nitzschia pseudodelicatissima			20	40				40
Pseudo-nitzschia pungens		20	20	40				
Pseudo-nitzschia seriata group	40							
Pseudo-nitzschia subpacifica	40	80	40					
Rhizosolenia imbricata		20			40			
Rhizosolenia setigera	100	20	40		80		300	520
Scrippsiella sp.			20					
Scrippsiella trochoidea								120
Skeletonema costatum	20						60	
Thalassionema nitzschioides	100	80		120	80	80		
Thalassiosira baltica		460	100	40	160	200		
Thalassiosira gravida	40		20	40			20	120
Thalassiosira punctigera	1540	1820	1100	400	1440	720	740	4840
Thalassiosira spp.	340	100	220		200	240	80	
Tintinnida	300	240	140	120	80		120	920
Tintinnopsis spp.	180							
Unarmoured dinoflagellate	60	20	40		80		20	40
6-Nov-07								
Actinoptychus senarius	80	80						140
Amphidinium carterae								40
Armoured dinoflagellate	20	300					20	140
Centric diatom	40							20
Ceratium lineatum	20						20	
Chaetoceros debilis								40
Chaetoceros decipiens	20							
Chaetoceros spp. (Hyalochaete)		40						
Commation cryoporinum		20						
Copepoda		20					40	
Corethron hystrix	120	180					180	280
Coscinodiscus spp.	100	40						20
Cylindrotheca closterium	420	460					240	660
Dictyocha speculum	160	220					220	300

6-Nov-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis acuminata							40	80
Ditylum brightwellii	100	80					20	20
Entreptiella sp.	40	240					20	60
Gonyaulax digitale		20						
Gonyaulax spinifera							20	20
Guinardia delicatula	20	40					340	100
Gyrodinium spp.	20	80						
Gyrosigma tenuissimum		20						
Helicostomella spp.								20
Laboea sp.	20	60					120	120
Leptocylindrus minimus		40						
Mesodinium rubrum	1020	640					1400	2340
Navicula distans	20						40	
Navicula transitans var. *derasa* f. *delicatula*		20						
Odontella aurita	40							
Odontella sinensis	20	100						40
Pennate diatom	40	100					140	80
Protoperidinium punctulatum								20
Protoperidinium spp.							20	
Pseudo-nitzschia pungens		20						
Pseudo-nitzschia seriata group	20						20	
Rhizosolenia setigera	20						120	140
Scrippsiella trochoidea		20						
Skeletonema costatum							60	
Thalassionema nitzschioides	140	40					20	40
Thalassiosira baltica	40	140						
Thalassiosira gravida	40	60						
Thalassiosira punctigera	1460	360					1520	3560
Thalassiosira spp.	200	300					240	120
Tintinnida	120	820					380	380
Tintinnopsis spp.	40						340	60
Unarmoured dinoflagellate	20	100						80
6-Dec-07								
Actinoptychus senarius			100					40
Amphidinium carterae			40	40				
Armoured dinoflagellate		40	60	40	120			60
Asterionellopsis glacialis		20						
Biddulphia alternans					80			
Centric diatom	40						20	20
Ceratium longipes		20						
Chaetoceros spp. (Hyalochaete)	40							
Commation cryoporinum			20	120	40			
Copepoda		20					20	
Corethron hystrix	80	40	100		120			60
Coscinodiscus spp.		40				40		
Cylindrotheca closterium	580	420	540	400	680	80	260	520
Dictyocha speculum	20	100	40	80			20	140
Dinophysis acuminata				40	40			
Ditylum brightwellii	60	20	60					

6-Dec-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Eutreptiella sp.								200
Gonyaulax digitale								20
Guinardia delicatula		20						60
Gyrodinium spp.	20	20	20				20	20
Leptocylindrus minimus		40	40		40			
Mediopyxis helysia				40				
Melosira monoliformis			60					
Mesodinium rubrum	420	680	1440	160	40	160	1120	760
Navicula distans		20	20		80		20	
Notholca spp.		20						
Paralia sulcata			20					
Pennate diatom		40	20	40	40		40	180
Pleurosigma angulatum							20	
Prorocentrum minimum		20					20	
Protoperidinium spp.			20					
Pseudo-nitzschia delicatissima group		20		40	40			20
Rhabdonema spp.			20					
Rhizosolenia setigera	20	40					40	20
Skeletonema costatum	40		40					40
Thalassionema nitzschioides	60		20		80	40		
Thalassiosira baltica		20	20		80	40		
Thalassiosira gravida			20					
Thalassiosira punctigera	120	20	40		240	120	320	900
Thalassiosira spp.	40	60	120	120	40	40		80
Tintinnida	200	60	20	40	120	80	100	220
Tintinnopsis spp.	40						500	
Unarmoured dinoflagellate	20	120	40	120				80
8-Jan-08								
Actinoptychus senarius	40							
Amphidinium carterae		60			40			
Amphidinium sphenoides								20
Armoured dinoflagellate		100	60					40
Centric diatom			20			120		
Chaetoceros diadema								20
Chaetoceros spp. (Hyalochaete)	20	20	20					
Chaetoceros subtilis								20
Commation cryoporinum	40	20	40					40
Copepoda							20	
Corethron hystrix			20				20	40
Coscinodiscus spp.								20
Cylindrotheca closterium	460	300	820	720	320	160	360	600
Dictyocha speculum	20	480	20	40	40			80
Dinophysis norvegica		20						
Ditylum brightwellii	20	80	20		80			20
Eutreptiella sp.	60	40		80				80
Guinardia delicatula			20					
Gyrodinium spp.	20	140	20				80	60
Gyrosigma fasciola						40		
Gyrosigma littorale		20						

8-Jan-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Laboea sp.							20	20
Leptocylindrus danicus				40				
Leptocylindrus minimus				40				
Mesodinium rubrum	380	100	940	120		160	580	1680
Navicula distans		20				80	20	40
Pennate diatom		20	20			40	40	
Pleurosigma / Gyrosigma							20	
Pleurosigma angulatum					40			20
Pleurosigma strigosum						80		20
Porosira glacialis				40				
Prorocentrum micans				40				
Protoperidinium spp.	40				40			
Pseudo-nitzschia delicatissima group	40	80	120	40	40		80	20
Rhabdonema spp.	20							
Rhizosolenia setigera								40
Skeletonema costatum	20	40						20
Thalassionema nitzschioides					40			20
Thalassiosira baltica							20	
Thalassiosira gravida		20		40				20
Thalassiosira punctigera	40		80	120				60
Thalassiosira sp. (tiny)								20
Thalassiosira spp.	140	80	120	160	120	40	120	100
Tintinnida	80	480	60			40	140	320
Tintinnopsis beroidea						40		
Tintinnopsis spp.	20		20				20	20
Unarmoured dinoflagellate	20	300			40			80
5-Feb-08								
Amphidinium carterae		20						20
Apedinella radians			20					
Armoured dinoflagellate	40							
Centric diatom				40				
Chaetoceros spp. (Hyalochaete)	60	60					40	60
Commation cryoporinum				40				20
Copepoda	20							
Coscinodiscus spp.						120		
Cylindrotheca closterium	620	820	860	200	440	320	300	760
Dictyocha speculum		80	80		80			60
Dinophysis rotundata			20					
Ditylum brightwellii						40		
Eutreptiella sp.	20		80	40			20	80
Gyrodinium spp.	20		60	40	40			20
Heterocapsa triquetra								20
Leptocylindrus minimus	20		20					
Mediopyxis helysia								20
Mesodinium rubrum	1120	420	920	240	160		740	840
Navicula distans	40	60			120	240		20
Navicula transitans var. *derasa* f. *delicatula*		20						
Odontella aurita	20							20
Paralia sulcata						40		

5-Feb-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pennate diatom	40		80			120		220
Pleurosigma angulatum						40		
Pleurosigma strigosum				40		40		
Porosira glacialis	40							
Protoperidinium spp.			20					
Pseudo-nitzschia delicatissima				40				
Pseudo-nitzschia delicatissima group	40	160	40					80
Pseudo-nitzschia pseudodelicatissima			20					
Rhabdonema spp.			40					
Rhizosolenia setigera	20	20						
Skeletonema costatum			40					
Thalassionema nitzschioides		40				40		
Thalassiosira baltica						40	20	
Thalassiosira sp. (tiny)	20							20
Thalassiosira spp.	180	20	20		40			
Tintinnida	400	100	160	160	120		100	280
Tintinnopsis beroidea						40		
Tintinnopsis spp.	20	20					20	
Unarmoured dinoflagellate	40	40	120		40		20	60
7-Mar-08								
Amphidinium carterae		20	20		40			
Apedinella radians								20
Armoured dinoflagellate				80				
Asterionella formosa							20	
Asterionellopsis glacialis					40			
Chaetoceros convolutus / concavicornis					40			
Chaetoceros convolutus f. *trisetosa*				40				
Chaetoceros socialis				5600				
Chaetoceros spp. (Hyalochaete)		40			80			
Cylindrotheca closterium	240	120	20	160	280	320	20	200
Dictyocha speculum		20	20	40	40		20	20
Dinobryon spp.			20					
Dinophysis acuminata				40				
Dinophysis pulchella				40				
Ditylum brightwellii		20						
Eutreptiella sp.		40	20	160	80	40	20	20
Gyrodinium spp.	40	20			40			40
Laboea sp.	20			40				
Licmophora spp.	40							
Melosira moniliformis								20
Mesodinium rubrum	380	80	60	600	80	80	120	100
Navicula distans	100	40			40	40		40
Navicula transitans var. *derasa* f. *delicatula*					40			
Paralia sulcata							20	
Pennate diatom	140	40		120	240	80	40	
Pleurosigma / Gyrosigma	60							
Porosira glacialis	20			80	40			20
Protoperidinium spp.								40
Pseudo-nitzschia delicatissima				80	120			

7-Mar-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima group	20	60	20			40	20	60
Pseudo-nitzschia pseudodelicatissima		20						
Skeletonema costatum		40						20
Thalassionema nitzschioides					40			
Thalassiosira gravida							20	
Thalassiosira nordenskioeldii		20						
Thalassiosira spp.		60		80	40			
Tintinnida	120	40		440	200	80		100
Tintinnopsis beroidea				40				
Unarmoured dinoflagellate	60	20			120		20	200
24-Apr-08								
Achnanthes sp.	20							
Actinoptychus senarius						40		
Alexandrium fundyense	40	260	60				40	40
Alexandrium fundyense (duplet)	20	20						
Alexandrium ostenfeldii		60						
Amphidinium carterae	40	20	20					40
Apedinella radians	380	300	120	80	80		240	3600
Armoured dinoflagellate	100	240	180	40	40	40	160	600
Calliacantha sp.	20							
Centric diatom			40					
Chaetoceros contortus		20						
Chaetoceros convolutus f. *trisetosa*		20						120
Chaetoceros debilis	40	140					40	120
Chaetoceros filiformis			40				100	
Chaetoceros similis		20					20	
Chaetoceros simplex								160
Chaetoceros socialis								480
Chaetoceros spp. (Hyalochaete)	20		40	40	40		120	320
Commation cryoporinum			20				20	40
Coscinodiscus spp.		40	60					
Cylindrotheca closterium	660	600	180	200	360	280	160	440
Dictyocha speculum	140	260	240				20	120
Dinobryon spp.							80	
Dissodinium pseudolunula							20	
Eutreptiella sp.	280	420	140	320			580	3560
Fragilaria spp.							40	
Grammatophora marina			80				20	
Gyrodinium spp.	260	220	120	120		40	80	560
Gyrosigma fasciola							20	
Heterocapsa triquetra		60						40
Laboea sp.	60		40					160
Leptocylindrus minimus	40	20						80
Licmophora spp.	20		120	40			120	
Melosira monoliformis							40	
Membraneis challengeri						40		
Mesodinium rubrum	1680	1040	1220	240	40	80	1280	3240
Navicula distans	60		20					
Navicula transitans var. *derasa* f. *delicatula*	40			120	40	80	40	

24-Apr-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Notholca spp.	20							
Odontella aurita							20	
Pennate diatom	160	20	100	40	80	240	380	
Phaeocystis pouchetii	20							
Pleurosigma strigosum						40		
Porosira glacialis		20		40	80		20	360
Preperidinium meuneri		180	200					
Protoperidinium bipes								80
Protoperidinium spp.			20	80				40
Pseudo-nitzschia delicatissima				200	160			
Pseudo-nitzschia delicatissima group	260	480	600			160	180	1200
Scrippsiella trochoidea								80
Skeletonema costatum	100	40	20		40		140	80
Strobilididae	20							
Thalassionema nitzschioides		20			40		20	
Thalassiosira bioculata								40
Thalassiosira gravida						40	20	
Thalassiosira nordenskioeldii	40	20	40	40	80		40	120
Thalassiosira sp. (tiny)				80	40		140	
Thalassiosira spp.	200	220	140	520	320	160	260	440
Tintinnida	2180	1820	2200	80			5080	2680
Tintinnopsis spp.							20	
Unarmoured dinoflagellate	140	260	380	160			40	2200
6-May-08								
Alexandrium fundyense	580	800	960	80	280		20	60
Alexandrium fundyense (duplet)	140	120	280					20
Alexandrium ostenfeldii	20	80						
Apedinella radians	760	2760	1560	960	200		100	140
Armoured dinoflagellate	240	640	360	40	80		80	160
Asteroplanus karianus						40		
Aulacoseira ambigua								20
Biddulphia alternans						40		
Centric diatom						120		
Ceratium longipes		80						
Chaetoceros convolutus f. *trisetosa*	20	40						
Chaetoceros debilis	40				40			40
Chaetoceros furcellatus							20	
Chaetoceros similis		40					20	
Chaetoceros spp. (Hyalochaete)	20			80	160		20	20
Commation cryoporinum					40			
Coscinodiscus centralis		40						
Coscinodiscus spp.		80	120					40
Coscinodiscus wailesii				40		40		
Cylindrotheca closterium	300	280	520	480	240		120	360
Dactyliosolen fragilissimus			160				80	
Dictyocha speculum	520	760	960	80			20	120
Dinobryon spp.							20	
Ebria tripartita							40	
Eutreptiella sp.	200	920	1760	840	120		300	500

6-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gyrodinium spp.	420	560	400	80		80	80	380
Heterocapsa triquetra		720	240		40			20
Laboea sp.	60	80	200				60	120
Lennoxia faveolata			40					
Leptocylindrus danicus								20
Leptocylindrus minimus	20	40					60	
Licmophora spp.								20
Mediopyxis helysia						80		40
Membraneis challengeri						40		
Mesodinium rubrum	1300	4840	5640	600	480	80	400	1040
Navicula distans					40	80		20
Navicula transitans var. *derasa* f. *delicatula*	20					80		20
Pennate diatom	60			80	280	80	500	40
Pleurosigma / Gyrosigma							20	
Pleurosigma angulatum						40		
Preperidinium meuneri	400	240	400				20	
Prorocentrum minimum		40						40
Protoperidinium spp.	20							
Pseudo-nitzschia delicatissima	180	360	520	680	160		560	500
Pseudo-nitzschia delicatissima group						40		
Rhabdonema spp.							40	
Scrippsiella trochoidea		40						
Skeletonema costatum	20							
Thalassiosira anguste-lineata		40						20
Thalassiosira gravida					80			20
Thalassiosira hyalina								20
Thalassiosira nordenskioeldii	40						40	80
Thalassiosira spp.	160	160	240	320	680	440	440	340
Tintinnida	1860	7920	5360	80	80	40	340	720
Tintinnopsis beroidea						80		
Tintinnopsis spp.			40				20	20
Unarmoured dinoflagellate	320	840	1840	120			180	240
13-May-08								
Alexandrium fundyense	440	80	300	560	40	40		160
Alexandrium fundyense (duplet)	60		40	40				40
Alexandrium ostenfeldii	40	20		80				40
Amphidinium carterae	20	20		80				
Amphidinium sphenoides	20						40	
Amylax triacantha								80
Apedinella radians	280	220	200	480	40	40	120	400
Armoured dinoflagellate	340	280	220	680	40	40		200
Calliacantha sp.	40						120	
Centric diatom			20					
Ceratium lineatum				40				
Ceratium longipes				80	40			
Chaetoceros contortus		20		40	40			
Chaetoceros convolutus f. *trisetosa*	40	60	100				120	240
Chaetoceros debilis		20	60	40			40	40
Chaetoceros decipiens			40					

13-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros furcellatus							40	
Chaetoceros similis	20							
Chaetoceros socialis			20		80	80		
Chaetoceros spp. (Hyalochaete)	120	20	60	200		80	80	120
Chaetoceros subtilis							40	
Commation cryoporinum	20			80				
Corethron hystrix					40			
Coscinodiscus spp.	40	80	40					
Cylindrotheca closterium	980	660	840	720	600	200	880	760
Dactyliosolen fragilissimus			20					
Dictyocha speculum	180	100	140	160	40		40	80
Dinobryon spp.		40					120	
Dinophysis norvegica	20			40				
Eutreptiella sp.	640	480	1320	1800			560	920
Gonyaulax alaskensis						40		
Gyrodinium spp.	560	340	380	880	80		40	280
Heterocapsa triquetra	180	120	140	600				
Laboea sp.	100	120	160	720			80	160
Leptocylindrus minimus	20	40	80	80				
Licmophora spp.	20							
Mediopyxis helysia				120				
Membraneis challengeri	20	20	100	200				
Mesodinium rubrum	2700	2500	4640	2360	320		9480	6400
Navicula distans	40	20	60	40	80			
Navicula transitans var. *derasa*						120		
Navicula transitans var. *derasa* f. *delicatula*	20	20		40	40	40	40	
Parafavella spp.					40			
Paralia sulcata					40			
Pennate diatom	180	60	340	120	200	80		280
Porosira glacialis	40	20	20	120		40		80
Preperidinium meuneri	140	100	160					
Prorocentrum minimum	60		20	120				120
Protoperidinium brevipes	20							
Protoperidinium denticulatum				80				
Protoperidinium ovatum				40				
Protoperidinium spp.	40	20	20	40				
Pseudo-nitzschia delicatissima	360	260	540	840		200	1200	1400
Pseudo-nitzschia delicatissima group					600			
Pseudo-nitzschia subpacifica			20					
Rhizosolenia hebetata f. *semispina*	40		20			40		
Skeletonema costatum	160	180	420	80	40		80	80
Thalassionema nitzschioides				40	80	40		40
Thalassiosira anguste-lineata	20		40	80				
Thalassiosira baltica		20	40					
Thalassiosira bioculata			20					
Thalassiosira gravida	20			80	120			
Thalassiosira nordenskioeldii	40	40	40				200	40
Thalassiosira sp. (tiny)		20		40				
Thalassiosira spp.	780	880	620	3880	2720	400	440	640

13-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	720	1400	1740	5520	120		17760	2960
Tintinnopsis beroidea					40	40		
Unarmoured dinoflagellate	560	460	380	840			200	640
20-May-08								
Alexandrium fundyense	2240	1160	500	40		40		432
Alexandrium fundyense (duplet)	480	120	100					144
Alexandrium fundyense (quadruplet)		40						
Alexandrium ostenfeldii	40							
Amphidinium sphenoides			20	80				144
Amylax triacantha								144
Apedinella radians	160	680	360	40				3312
Armoured dinoflagellate	720	760	240	160	40	40	20	720
Calliacantha sp.		40					20	576
Ceratium longipes	40							
Chaetoceros constrictus			20					864
Chaetoceros contortus			20		80	40		
Chaetoceros convolutus f. *trisetosa*	40	160	60				40	2592
Chaetoceros debilis						40		
Chaetoceros decipiens			20					
Chaetoceros filiformis								576
Chaetoceros pseudocrinitus			20					144
Chaetoceros similis								2736
Chaetoceros simplex			20				140	
Chaetoceros spp. (Hyalochaete)	40	80	40	160	120	320	80	1584
Commation cryoporinum		40	20			80		
Copepoda		40				40		
Coscinodiscus spp.	80		20	40			40	144
Cylindrotheca closterium	640	360	500	280	200	680	960	2160
Dactyliosolen fragilissimus								144
Dictyocha speculum	80	80	60				20	
Dinobryon spp.							20	
Eutreptiella sp.	80	600	180	120	80		80	1584
Gyrodinium spp.	360	520	180	120	40	80	120	1152
Heterocapsa triquetra	360	440	80					288
Laboea sp.	640	120	20				60	1008
Leptocylindrus minimus	80	120					100	1296
Licmophora spp.		40					60	
Mediopyxis helysia					160			
Melosira monoliformis	40	40						
Membraneis challengeri	80		40	120	40	80		
Mesodinium rubrum	3800	14960	1120	880	160	40	1700	7488
Micracanthodinium claytonii			20					
Navicula distans	80		20		40			
Navicula transitans var. *derasa*				40				
Navicula transitans var. *derasa* f. *delicatula*					80		20	
Parafavella spp.		40						
Pennate diatom	40	40	60	80		400	80	144
Pleurosigma strigosum						40		
Porosira glacialis	80	160	40		40			576

20-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Preperidinium meuneri	240	40					20	144
Prorocentrum minimum	120							
Protoperidinium brevipes				40				
Protoperidinium denticulatum		80						
Protoperidinium spp.				40				
Protoperidinium steinii	40							
Pseudo-nitzschia delicatissima	1200	720	1080	240	240	280		
Pseudo-nitzschia delicatissima group							1800	28800
Pseudo-nitzschia pungens			20					
Pseudo-nitzschia seriata		80						
Pseudo-nitzschia seriata group				120				
Pseudo-nitzschia subpacifica			20					
Rhizosolenia hebetata f. *semispina*		40						
Rhizosolenia imbricata			20					
Scrippsiella sp.	80	40						
Scrippsiella trochoidea		80						
Skeletonema costatum	160	40	80				160	432
Stephanopyxis turris			20					
Thalassionema nitzschioides					40	40		
Thalassiosira gravida					40	40		288
Thalassiosira nordenskioeldii	40		60				20	1152
Thalassiosira punctigera							20	
Thalassiosira sp. (tiny)								144
Thalassiosira spp.	1080	1680	1460	5120	3960	4320	700	22896
Tintinnida	1360	10440	200	160		240	340	3888
Tintinnopsis beroidea						80		
Tintinnopsis spp.							20	144
Unarmoured dinoflagellate	800	880	200	120	40		100	2016
27-May-08								
Alexandrium fundyense	720	1960	360	432				289
Alexandrium fundyense (duplet)	80	200						
Alexandrium ostenfeldii		40	40					
Amphidinium carterae		40						
Amphidinium sphenoides			200	144	80		144	
Amylax triacantha			40					
Apedinella radians	280	3280	400	432			144	4335
Armoured dinoflagellate	1040	1640	400	288		40		578
Asterionellopsis glacialis					200			
Attheya longicornis								1156
Aulacoseira ambigua				144		160		
Brachionus spp.	40							
Calliacantha sp.		40						
Chaetoceros constrictus	160							
Chaetoceros convolutus / concavicornis		40		144				
Chaetoceros convolutus f. *trisetosa*	120	360	280				1584	3468
Chaetoceros debilis	80	80						
Chaetoceros decipiens		40	80	144				
Chaetoceros diadema			800	1152	320		432	4913
Chaetoceros laciniosus			80					

27-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros pseudocrinitus			40					289
Chaetoceros radicans								289
Chaetoceros similis			120	288			720	2890
Chaetoceros simplex	80	120	1480				3168	15895
Chaetoceros socialis			400		40			
Chaetoceros spp. (Hyalochaete)	160	400	1280	1440	440	40	1872	8092
Chaetoceros teres							144	
Commation cryoporinum			80					
Coscinodiscus spp.		40				40		
Cylindrotheca closterium	480	1200	2400	1296	840		3600	1156
Dactyliosolen fragilissimus	40		160					
Dictyocha speculum	40	240		144				289
Dinophysis acuta		40						
Dinophysis rotundata			40					
Eucampia zodiacus							144	289
Eutreptiella sp.	400	560	120	144				
Gyrodinium spp.	520	560	160	144				578
Heterocapsa triquetra	120	440	280	144	40			578
Laboea sp.	360		160	144				
Leptocylindrus minimus	160	80	640	720	80		1440	4913
Licmophora spp.	40	120					144	
Mediopyxis helysia				144	40			
Melosira nummuloides	40							
Membraneis challengeri						80		
Mesodinium rubrum	4200	1400	2160	4032	160		3168	3179
Navicula distans	80		80	288	40	40		
Navicula transitans var. *derasa* f. *delicatula*		40			160			
Notholca spp.				144				
Pennate diatom	240	80	240	720			288	289
Pleurosigma / Gyrosigma		40	40					
Pleurosigma angulatum		40			40			
Porosira glacialis	80	40	120	144	40		288	1156
Preperidinium meuneri	40	40						
Prorocentrum minimum	80							
Protoperidinium bipes			40					
Protoperidinium brevipes	40	80						
Protoperidinium spp.		40						
Protoperidinium steinii			40					
Pseudo-nitzschia delicatissima	3120	2600	22640	25344				
Pseudo-nitzschia delicatissima group					800		69360	258944
Pseudo-nitzschia seriata group			80		40			
Scrippsiella trochoidea	40	40	40					
Skeletonema costatum	40	80	200				1008	1156
Thalassionema nitzschioides	40		40	144	80	40		578
Thalassiosira anguste-lineata	80	80	40					289
Thalassiosira baltica						40		
Thalassiosira bioculata			80					578
Thalassiosira gravida			120	576	120	40		867
Thalassiosira nordenskioeldii	40	40	160	144			288	1445

27-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira punctigera			40					
Thalassiosira sp. (tiny)		40	120	144		40		
Thalassiosira spp.	2920	3080	7200	30096	7640	920	8064	23698
Tintinnida	1760	1720	520	576	240		1584	867
Tintinnopsis beroidea						40		
Tintinnopsis spp.	40		40				144	
Unarmoured dinoflagellate	80	560	40	288			576	578
3-Jun-08								
Alexandrium fundyense	576	192	768			80	600	1056
Alexandrium fundyense (duplet)			288				120	96
Amphidinium sphenoides	432		96	386	40	80	120	768
Apedinella radians	3168	8352	5664	1158			80	96
Armoured dinoflagellate	1152		672	579	40	40	880	1920
Asterionellopsis glacialis					120	40		
Attheya longicornis		480					40	
Aulacoseira ambigua					160			
Brachionus spp.							40	96
Calliacantha sp.	144	96	288					
Ceratium longipes		192						
Chaetoceros atlanticus							40	
Chaetoceros contortus					80			
Chaetoceros convolutus						40		
Chaetoceros convolutus f. *trisetosa*	288	2208	480				720	960
Chaetoceros debilis	144	96	192	772			360	576
Chaetoceros decipiens	144		96		280		120	480
Chaetoceros diadema	144	96	96	579	40	520	200	864
Chaetoceros filiformis	144	192					440	288
Chaetoceros furcellatus							120	96
Chaetoceros laciniosus	288		96		80		40	288
Chaetoceros similis	720	192	96	772	80		640	1536
Chaetoceros simplex	3312	3456	1920				2960	3360
Chaetoceros socialis						40	40	96
Chaetoceros spp. (Hyalochaete)	720	960	2112	2509	360	1120	3280	5472
Chaetoceros teres							160	672
Corethron hystrix								96
Coscinodiscus spp.						40		
Cylindrotheca closterium	1872	2400	864	4439	1080	1040	1400	1056
Dactyliosolen fragilissimus							80	96
Dictyocha speculum		192	288			40	40	
Dinobryon spp.							480	576
Ebria tripartita							160	384
Entomoneis spp.						40		
Eucampia zodiacus				193	40			192
Eutreptiella sp.	288	192	288			40	280	96
Gyrodinium spp.	576		576	193			1560	288
Helicostomella spp.							160	
Heterocapsa triquetra		96	192			40	240	
Laboea sp.	576						120	
Leptocylindrus danicus							40	480

3-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Leptocylindrus minimus	1584	1056	864	193	80	80	2080	3648
Licmophora spp.							120	
Mediopyxis helysia				193	200	240		
Membraneis challengeri							40	
Mesodinium rubrum	5616	768	3072		440	760	3040	1152
Navicula distans						200		
Navicula transitans var. *derasa*						40		
Odontella aurita				193				
Paralia sulcata						40		
Pennate diatom		576		579	240	240		480
Pleurosigma / Gyrosigma							40	
Porosira glacialis	432		96	193				192
Prorocentrum minimum					80		40	384
Protoperidinium bipes			192	193			280	1152
Protoperidinium ovatum					40			
Protoperidinium spp.	144						120	
Protoperidinium steinii	144	96						
Pseudo-nitzschia delicatissima						12600		
Pseudo-nitzschia delicatissima group	51552	47685	71383	34354	7920		225000	340000
Pseudo-nitzschia seriata group	432	96						
Salpingella spp.				193				
Scrippsiella trochoidea		96					40	
Skeletonema costatum	720	576				40	200	288
Thalassionema nitzschioides					40	40		
Thalassiosira anguste-lineata	144	96	288			160	80	96
Thalassiosira baltica						40		
Thalassiosira bioculata								384
Thalassiosira gravida		384	192		80	120		576
Thalassiosira nordenskioeldii	432	96	864	2123			520	1728
Thalassiosira punctigera	144				40			
Thalassiosira sp. (tiny)					40			
Thalassiosira spp.	10512	8160	5760	40530	10800	9720	2520	3936
Tintinnida	3168	7968	1536	386	40	320	6480	5184
Tintinnopsis beroidea					120			
Tintinnopsis spp.	144						40	
Unarmoured dinoflagellate	1008	288	384				1920	1920
9-Jun-08								
Alexandrium fundyense	2208	3072	400	579	40		160	10368
Alexandrium fundyense (duplet)	192	288					40	720
Alexandrium ostenfeldii	96							
Amphidinium carterae	96						40	
Amphidinium sphenoides	96	144	40	193	320		440	
Apedinella radians	5952	21744	1840	772		40	360	432
Armoured dinoflagellate	4032	8352	3720	193			600	5904
Asterionellopsis glacialis					160			
Attheya longicornis							360	
Brachionus spp.			80				40	
Calliacantha sp.	288	720	200				40	144
Chaetoceros contortus								1440

9-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros convolutus f. *trisetosa*	192	144	160				240	
Chaetoceros debilis	192		80	193			240	2160
Chaetoceros decipiens			80		200		80	720
Chaetoceros filiformis							240	
Chaetoceros furcellatus	192			193	80	40	240	144
Chaetoceros laciniosus	96						160	1296
Chaetoceros similis	192	432	40				120	288
Chaetoceros simplex	192	432	80				240	
Chaetoceros socialis							120	
Chaetoceros spp. (Hyalochaete)	1056	864	760	2509	640	320	1200	20304
Chaetoceros teres					40		200	720
Commation cryoporinum			80		80			
Copepoda	96							
Corethron hystrix							40	
Coscinodiscus spp.					40			
Cylindrotheca closterium	5568	2304	1400	2702	1240	120	720	288
Dictyocha speculum	480	432	400				40	
Dinobryon spp.	1056	288	40				1040	3744
Dinophysis acuminata		144						
Dinophysis norvegica	192							
Ebria tripartita			40				40	1728
Eucampia zodiacus	480	144	120				280	1728
Eutreptiella sp.	6816	2304	520				880	1728
Guinardia delicatula				193				
Gyrodinium spp.	1248	2880	1280	579	200	40	120	144
Heterocapsa triquetra	576	4608	80				640	1872
Laboea sp.	1152	288	80					288
Leptocylindrus danicus	288						240	1152
Leptocylindrus minimus	864	576	480	386	120		360	576
Licmophora spp.		432						
Mediopyxis helysia		144		386	80	160		
Membraneis challengeri							40	
Meringosphaera mediterranea	96	1296	840					144
Mesodinium rubrum	6528	6624	320	193	200		2000	10224
Micracanthodinium claytonii							120	
Navicula distans				193	120		40	
Navicula transitans var. *derasa* f. *delicatula*					40	40		
Paralia sulcata						40		
Pennate diatom	384	864	560	772	40	80	120	
Phaeocystis pouchetii	192							
Pleurosigma angulatum					40			
Porosira glacialis	96					40		
Prorocentrum minimum	288	2160	1240			40	400	576
Prorocentrum sp. (small)		432	200		40		40	
Protoperidinium bipes	672		120	579			360	288
Protoperidinium brevipes	96		320					
Protoperidinium spp.	192	288	40		40		40	
Protoperidinium steinii			80				40	
Pseudo-nitzschia delicatissima				18528				

9-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima group	7392	11952	17080		3760	1320	22720	423291
Pseudo-nitzschia seriata group		144			40		40	
Scrippsiella sp.	192	576	80				40	576
Scrippsiella trochoidea	192	2880	160	193				1728
Skeletonema costatum	192		200				160	288
Tabellaria spp.								144
Thalassionema nitzschioides						160	80	
Thalassiosira anguste-lineata	192				80			
Thalassiosira bioculata					40			144
Thalassiosira gravida					440	160	320	
Thalassiosira nordenskioeldii	192		440	6562			40	576
Thalassiosira sp. (tiny)			40	579				
Thalassiosira spp.	7680	4464	2560	41109	9160	2880	1720	1440
Tintinnida	6720	10080	8680	965	240	120	1120	10656
Tintinnopsis beroidea				193	320	440		
Tintinnopsis spp.		144						
Unarmoured dinoflagellate	2976	8496	2080	193	200	40	760	1008
17-Jun-08								
Alexandrium fundyense	47974	61846	32079	10404	288	160	3456	6358
Alexandrium fundyense (duplet)	5491	6358	3757	1734			288	578
Alexandrium fundyense (planozygote)	289							
Alexandrium fundyense (quadruplet)	289							
Alexandrium fundyense (triplet)	289		289					
Amphidinium carterae	289							
Amphidinium sphenoides			578	867	144	320	1296	
Amylax triacantha	289		289					
Apedinella radians	578	578	867	1156				289
Armoured dinoflagellate	24276	49130	38726	8381	144	80	576	3179
Asterionellopsis glacialis			578			40		
Attheya longicornis							144	
Brachionus spp.	867		578					
Calliacantha sp.	578		289	1156			432	
Cerataulina pelagica				289				
Ceratium horridum		1156		578				
Chaetoceros constrictus					144			
Chaetoceros contortus	289	289		578	432	80	720	1156
Chaetoceros convolutus			289					
Chaetoceros debilis	289	1156	1445	2023	432		1296	4046
Chaetoceros decipiens			289	578			576	
Chaetoceros filiformis			289	289				289
Chaetoceros furcellatus				578	2016	320	1440	9537
Chaetoceros laciniosus			3179	4624				
Chaetoceros lorenzianus	289							
Chaetoceros pseudobrevis			289			40		
Chaetoceros radicans						40		
Chaetoceros socialis	289			867		480		
Chaetoceros spp. (Hyalochaete)	10115	7514	7225	15895	6480	1040	8784	14161
Chaetoceros teres								289
Copepoda	289							

17-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Cylindrotheca closterium	4913	4335	9537	10693	3024	760	1152	3468
Dactyliosolen fragilissimus					144			
Dictyocha speculum	578					40		
Dinobryon spp.	1156	867	2601	1734				578
Dinophysis acuminata			289					289
Dinophysis acuta				289				
Dinophysis norvegica		578						
Dinophysis pulchella		578						
Ebria tripartita		289	289					
Entomoneis spp.					144	40		
Eucampia groenlandica				1156				
Eucampia zodiacus	578	289			432		1008	1156
Eutintinnus sp.	289							
Eutreptiella sp.	9248	26588	48841	60690	28224	200	1872	5780
Favella spp.			289					
Guinardia delicatula	289	289						
Gyrodinium spp.	867	1445	1445		288	40	720	
Helicostomella spp.	1156	578	867				864	
Heterocapsa triquetra	32657	37570	25143	3179		40	288	3179
Laboea sp.	289	289	289	289	576			578
Leptocylindrus danicus	578	578	578	1445	288		864	2601
Leptocylindrus minimus				289				289
Licmophora spp.		289				120		
Mediopyxis helysia	578	289	1445	1445				
Meringosphaera mediterranea	10115	8381	4913	867	1296	80	8208	5491
Mesodinium rubrum	578					40		
Micracanthodinium claytonii								
Navicula distans	289							
Parafavella spp.	289	1445		867	720	80	288	289
Pennate diatom				289			144	289
Porosira glacialis	1734	8092	7514	5491	576		720	3179
Prorocentrum minimum		289	867	289			144	289
Prorocentrum sp. (small)	867	1156	867	289		40	144	
Protoperidinium bipes		289			144	40		
Protoperidinium brevipes					144			
Protoperidinium ovatum	578	1445	578					578
Protoperidinium spp.				289				
Pseudo-nitzschia delicatissima group	11560	9248	15028	31212	4608	680	32976	74851
Pseudo-nitzschia fraudulenta	289						288	
Pseudo-nitzschia seriata group						40		
Pseudo-nitzschia subpacifica							144	
Ptychocylis spp.					288			
Scrippsiella sp.		5202		289				289
Scrippsiella trochoidea	4046	8092	3757	867				578
Skeletonema costatum	6936	4913	2023	1734				867
Thalassionema nitzschioides	578				288	160		289
Thalassiosira anguste-lineata	289	867		289	288		288	289
Thalassiosira gravida		289	1156	578	1584	400	1728	1734

17-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira nordenskioeldii	4046	289	2890	4046	10368	120	720	3468
Thalassiosira sp. (tiny)	289	289		578	144			
Thalassiosira spp.	15606	9826	9826	22253	68976	9360	6336	12138
Tintinnida	6358	5202	4335	4046	1008	120	2160	1445
Tintinnopsis beroidea						120		
Tintinnopsis spp.		289		289				289
Unarmoured dinoflagellate	1156	2890	5780	4913	1872		1728	1445
24-Jun-08								
Alexandrium fundyense	74851	68782	20160	4464			960	21600
Alexandrium fundyense (duplet)	8092	289	3024	864				288
Alexandrium fundyense (planozygote)	3179	40749	864					1152
Alexandrium fundyense (quadruplet)	578		144					
Alexandrium fundyense (triplet)			144					
Amphidinium sphenoides	289				240	160	96	
Amylax triacantha	867		144					
Apedinella radians	867	578	1152				576	144
Armoured dinoflagellate	6069	13294	3744	1440	200	40	288	2304
Asterionellopsis glacialis				144		40		
Attheya longicornis			576					4032
Aulacoseira ambigua					40			
Brachionus spp.	289	1734						
Calliacantha sp.	289							144
Ceratium horridum	289			288				432
Chaetoceros contortus	289		864	144	120			2448
Chaetoceros convolutus f. *trisetosa*	289	578	1008	144				144
Chaetoceros debilis	289	1734	2160	864	480		1536	2304
Chaetoceros decipiens					40		96	
Chaetoceros furcellatus				576	200	40		
Chaetoceros laciniosus	867	2312	4608	432	80	80	768	864
Chaetoceros lorenzianus						40		
Chaetoceros pseudobrevis						40		
Chaetoceros radicans					200	80	96	864
Chaetoceros similis			288					
Chaetoceros socialis				144	80			
Chaetoceros spp. (Hyalochaete)	3757	8959	8352	8064	1760	600	3264	13968
Chaetoceros teres	578							
Copepoda					80			
Corethron hystrix		289						144
Cylindrotheca closterium	5780	6936	7488	22032	1640	1000	3840	432
Dictyocha speculum				144				144
Dinobryon spp.		578	288	144			384	720
Dinophysis acuminata	1156		432	288				
Dinophysis pulchella	289		144					
Ebria tripartita							96	144
Eucampia groenlandica	289		144	432			480	
Eucampia zodiacus					80	80		
Eutintinnus sp.	289							288
Eutreptiella sp.							384	
Favella spp.							192	576

24-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Fragilaria spp.				144				
Guinardia delicatula		289	432	288	40	40		864
Gyrodinium spp.		289		576	160		672	144
Gyrosigma littorale							96	
Gyrosigma tenuissimum	289							
Helicostomella spp.	5202	289		288			960	432
Heterocapsa triquetra	20808	14739	3744	1872			288	3888
Laboea sp.	289			288			288	
Leptocylindrus danicus	867		432	720	40		576	8208
Leptocylindrus minimus	867		432	288	80			
Mediopyxis helysia				144				
Meringosphaera mediterranea	578	289	288	432				
Mesodinium rubrum	23409		144	3888	280	40	7968	6768
Micracanthodinium claytonii						40		
Navicula distans	289				80			
Navicula transitans var. *derasa* f. *delicatula*			288				96	
Paralia sulcata						40		
Pennate diatom	289	867	144	144		40		
Porosira glacialis						80	96	
Prorocentrum minimum	2890	5202	3312	1296			384	1296
Prorocentrum sp. (small)		1156		144				432
Protoperidinium americanum		289						
Protoperidinium bipes							288	
Protoperidinium brevipes	1156	289	288					
Protoperidinium spp.	867						96	144
Protoperidinium steinii	578							
Pseudo-nitzschia delicatissima						160		
Pseudo-nitzschia delicatissima group	4624	7803	10368	9072	760		18816	11088
Ptychocylis spp.					40			
Scrippsiella sp.	289	2023	288					576
Scrippsiella trochoidea	1445	13294	1152	144			96	432
Skeletonema costatum	11849	66181	11232	8064	240	240	192	576
Thalassionema nitzschioides	289		288	288		40		
Thalassiosira anguste-lineata	867	289	288		40	160		
Thalassiosira baltica				144				
Thalassiosira gravida	578			144	80	120	768	
Thalassiosira nordenskioeldii	1445	578	3600	1872	80		96	
Thalassiosira sp. (tiny)	867	1156	4320	7920				
Thalassiosira spp.	11560	4046	4464	26496	7160	1320	11136	576
Tintinnida	1734	3757	288	1008	160	40	576	576
Tintinnopsis beroidea						80		
Tintinnopsis spp.				144				144
Unarmoured dinoflagellate	2601	5780	432	1872	160	40	1536	720
2-Jul-08								
Alexandrium fundyense	55296	460088	136408	33582	3840	360	120	13968
Alexandrium fundyense (cyst)						40		
Alexandrium fundyense (duplet)	4176	40460	5780	772	288			144
Alexandrium fundyense (fusing)				193				
Alexandrium fundyense (planozygote)	8064	58956	23120	4053	864	120		1008

2-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Alexandrium fundyense (quadruplet)		2890						
Alexandrium fundyense (triplet)	144							
Alexandrium ostenfeldii		578						
Amphidinium carterae				193				
Amphidinium sphenoides				193			80	
Amylax triacantha			289					
Apedinella radians	1584	4624	867	579				288
Armoured dinoflagellate	2448	6936	7225	1737	384	40	240	1728
Asterionellopsis glacialis	144			772	672	120		
Attheya longicornis			4335	1351				1152
Brachionus spp.		289						
Ceratium horridum	288	289	578	386				
Ceratium lineatum								144
Ceratium longipes	432							
Chaetoceros contortus	288	289	867	386	480	80	80	864
Chaetoceros convolutus f. *trisetosa*	288	867	289	579	288	40		
Chaetoceros debilis	1008	289	1445	1158	1056	40	640	5040
Chaetoceros decipiens					96			
Chaetoceros filiformis				193				
Chaetoceros furcellatus	144			579	192	80		
Chaetoceros laciniosus	144		289	193	96		40	576
Chaetoceros pseudobrevis			289				40	432
Chaetoceros pseudocrinitus				193	96			
Chaetoceros radicans			578	579	1632	120	40	864
Chaetoceros similis							40	
Chaetoceros socialis					576		160	
Chaetoceros spp. (Hyalochaete)	5616	3468	2601	7334	3840	680	960	12240
Commation cryoporinum	432							
Copepoda							40	
Corethron hystrix	432						40	
Coscinodiscus radiatus	144							
Coscinodiscus spp.						40		
Cylindrotheca closterium	9648	5780	7803	11001	10944	1160	1720	3168
Dactyliosolen fragilissimus	432	289			192			
Dictyocha speculum	432	867	578	193	96	40	40	288
Dinophysis acuminata	2736	3468	867	579	96		80	720
Dinophysis fortii			289					
Dinophysis norvegica	288	867	289	193			80	288
Dinophysis pulchella								144
Ebria tripartita								144
Eucampia groenlandica				193			40	144
Eutintinnus sp.		289	289					144
Eutreptiella sp.	432	1734	1445	579	96		520	144
Favella spp.		1734	289	386				144
Gonyaulax digitale	144							
Guinardia delicatula	432	578	289	579	288	80	200	576
Gyrodinium spp.	288	1156	578	386			80	144
Helicostomella spp.		867	289	579			200	144
Heterocapsa triquetra	1008	10693	10693	3667	288			2880

2-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Laboea sp.		578		386			40	
Lemnoxia faveolata							40	
Leptocylindrus danicus	432	289		1158	576	80	200	1152
Leptocylindrus minimus	2160	1734		2123	192	80	480	720
Mediopyxis helysia				193		40		
Meringosphaera mediterranea		578	289					
Mesodinium rubrum	1728	15606	21675	5790	1344		2600	25056
Navicula distans	144							
Navicula transitans var. *derasa* f. *delicatula*				193				
Notholca spp.							80	
Pennate diatom	432	578		579	480		160	144
Porosira glacialis	288				96	40		
Prorocentrum minimum	1008		1156	579				144
Prorocentrum sp. (small)					96			
Protoperidinium bipes								144
Protoperidinium brevipes	144	578						
Protoperidinium conicum		289						144
Protoperidinium denticulatum							80	
Protoperidinium depressum		289						
Protoperidinium ovatum		578						
Protoperidinium spp.	288	578		772		40		
Protoperidinium steinii	288	289		386				
Pseudo-nitzschia delicatissima group	4320	2890	3179	6369	5376	560	8600	4896
Pseudo-nitzschia pseudodelicatissima								144
Pseudo-nitzschia seriata group								144
Pseudo-nitzschia subpacifica					96			
Rhizosolenia hebetata f. *semispina*	144							
Scrippsiella sp.	288	578	1445	386				
Scrippsiella trochoidea	2016	2312	2601	193			40	432
Skeletonema costatum	6048	4046	3757	4053	3552	2160	200	432
Thalassionema nitzschioides		289			480			
Thalassiosira anguste-lineata	432	1156	289	579	288			144
Thalassiosira baltica				193				
Thalassiosira gravida			289	193	96		160	144
Thalassiosira nordenskioeldii	576			772	576	40		
Thalassiosira sp. (tiny)				386	192			
Thalassiosira spp.	8640	3757	2023	8492	6336	1400	2920	720
Tintinnida	1440	2890	3757	3667	384	80	640	4032
Tintinnopsis spp.				193	96		40	
Unarmoured dinoflagellate	1584	3757	867	3667	384	40	240	3168
8-Jul-08								
Alexandrium fundyense	240	720	3600	2160	160	80		80
Alexandrium fundyense (planozygote)		144	576		120	80		
Amphidinium sphenoides					80			
Amylax triacantha	80		144	144			40	
Apedinella radians	160	144	2592	4896			200	40
Armoured dinoflagellate	1280	576	2880	1440			200	320
Asterionellopsis glacialis	240	288		144	120	280	80	
Attheya longicornis	320	1440	144	1440				

8-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Aulacoseira ambigua				432	240			
Aulacoseira granulata						40		
Cerataulina pelagica								200
Ceratium fusus				144				
Ceratium horridum			720	1008				240
Ceratium lineatum			144					
Ceratium longipes	80	288		144			40	320
Chaetoceros contortus	80	288	144	144	40	120		
Chaetoceros convolutus f. *trisetosa*	520	288	1584	1584				40
Chaetoceros debilis	120	720	144	864	80		160	
Chaetoceros decipiens		144						
Chaetoceros laciniosus	80							
Chaetoceros pseudobrevis	280				80			
Chaetoceros radicans	80	720	576	720	880			
Chaetoceros similis	80	1440	720	432			40	
Chaetoceros socialis							200	
Chaetoceros spp. (Hyalochaete)	1800	6768	9072	6624	880	440	360	40
Chaetoceros teres	40							
Copepoda	40		576					120
Corethron hystrix	120						40	
Coscinodiscus wailesii	40							
Cylindrotheca closterium	1840	4176	2160	8352	3120	1520	1560	3120
Dactyliosolen fragilissimus	240		144				40	
Dictyocha speculum	240	576	2448	1728			120	640
Dinobryon spp.							40	
Dinophysis acuminata	160	1296	1584	2880			80	400
Dinophysis acuta	40							
Dinophysis fortii		144	288					40
Dinophysis norvegica	120	288	432	864				
Ebria tripartita		144					80	400
Eucampia groenlandica							160	
Eutintinnus sp.	40							
Eutreptiella sp.	920	4176	2448	1296		40	1680	1160
Favella spp.	40							80
Fragilaria spp.	40							40
Guinardia delicatula	2200	2592	4608	5760	160	280	360	
Gyrodinium spp.	160	144	576	288			80	160
Helicostomella spp.	400		1584	864			80	1880
Heterocapsa triquetra	1320	11664	65952	8496			2320	1200
Laboea sp.	280			144			120	40
Leptocylindrus danicus	160	576	576	144			80	
Leptocylindrus minimus	2280	4896	4176	6624		80	1360	440
Mediopyxis helysia	80				280	120		
Melosira nummuloides						40		
Meringosphaera mediterranea			144	144			40	
Mesodinium rubrum	2800	2304	18864	5040	360	40	6760	5840
Notholca spp.					40			
Paralia sulcata						40		
Pennate diatom	480	576	720	288	440	40	80	

8-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pleurosigma angulatum						40		
Prorocentrum minimum	120	1584	1584	1296	80		120	1040
Prorocentrum sp. (small)			432	144			40	40
Protoperidinium brevipes	240		576					160
Protoperidinium depressum			144					
Protoperidinium ovatum	40		144					
Protoperidinium spp.				144			80	
Protoperidinium steinii	160		144	144				80
Pseudo-nitzschia delicatissima					400	200		
Pseudo-nitzschia delicatissima group	2120	7632	2592	3744			6040	2640
Ptychocylis spp.					40			
Rhizosolenia hebetata f. *semispina*	40							
Scrippsiella sp.	480	1440	288				120	
Scrippsiella trochoidea	40	288	432				40	40
Skeletonema costatum	1880	7488	1008	1440		80	1360	
Stephanopyxis turris				144				
Thalassionema nitzschioides	80			144	120	80		
Thalassiosira anguste-lineata	280	720	144	288				
Thalassiosira baltica					80			
Thalassiosira nordenskioeldii	120	144						
Thalassiosira sp. (tiny)	320	144	288	144				
Thalassiosira spp.	8720	3024		2160	1800	560	2160	
Tintinnida	2120	5040	23760	4752	280		6200	4280
Tintinnopsis beroidea					160			
Tintinnopsis spp.						40	40	
Unarmoured dinoflagellate	1280	720	6624	1872	160		640	1360
14-Jul-08								
Alexandrium fundyense						280		
Amphidinium carterae					40			
Amphidinium sphenoides					40			
Apedinella radians	1296	3757	7514	5491				432
Armoured dinoflagellate	720	2312	2601	1156	40	80	864	2016
Asterionellopsis glacialis	576	578			200	240		
Attheya longicornis	144	289	3179					2160
Cerataulina pelagica	144		289				864	864
Ceratium fusus					40			
Ceratium horridum			578					
Ceratium lineatum								144
Ceratium longipes				289	40			432
Chaetoceros contortus	144	1445	289	2023	120	120		
Chaetoceros convolutus f. *trisetosa*	1440	1156	4624				144	144
Chaetoceros debilis	720	578	1734		40		288	432
Chaetoceros decipiens			289	289		40		
Chaetoceros filiformis		289					432	
Chaetoceros laciniosus							144	144
Chaetoceros pseudobrevis					80	280		
Chaetoceros radicans		578	289	2023	320	320		144
Chaetoceros similis	3024	5202	4335	2890			1440	1008
Chaetoceros socialis	1296		1445	1156	120	360		144

14-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros spp. (Hyalochaete)	8064	38726	30056	22253	1160	520	864	3600
Copepoda	144		289		40			
Corethron hystrix	144					80		288
Coscinodiscus spp.							144	
Coscinodiscus wailesii	144							
Cylindrotheca closterium	1008	2312	3179	9248	5520	1040	15840	1008
Dactyliosolen fragilissimus	144			289	80	80		
Dictyocha speculum	576	1156	1734	867			144	2160
Dinophysis acuminata	288	2601	578		160	240	288	1008
Dinophysis dens								432
Dinophysis fortii								144
Dinophysis norvegica	288			578				864
Ebria tripartita							144	1296
Entomoneis spp.				2023		200		
Eucampia groenlandica		578						864
Eucampia zodiacus			289				864	
Eutreptiella sp.	1296	578	2890	289		40	432	3168
Guinardia delicatula	11088	13872	7225	8381	1920	760	3456	11088
Gyrodinium spp.		578	867		80		144	1296
Helicostomella spp.		289	867					1008
Heterocapsa triquetra	3456	6358	31212	1734			1440	5328
Laboea sp.	144			289				144
Lennoxia faveolata		289						
Leptocylindrus danicus	576	1156	289	289	160	80		288
Leptocylindrus minimus	12096	49708	31501	29767	200	760	10224	1296
Licmophora spp.				289				
Mediopyxis helysia			289	289	360	320		
Membraneis challengeri					40			
Mesodinium rubrum	11088	14161	13005	4335	40		23184	13248
Navicula distans						40		
Navicula transitans var. *derasa*				867	40			
Navicula transitans var. *derasa* f. *delicatula*				1445	80			
Pennate diatom	720	2312		1734	2480	80	576	576
Pleurosigma angulatum							144	144
Prorocentrum minimum	864	289	289	1734	40		144	1152
Prorocentrum sp. (small)	144	289						
Protoperidinium brevipes		578						
Protoperidinium spp.		289	289					576
Protoperidinium steinii	144							
Pseudo-nitzschia americana				867				
Pseudo-nitzschia delicatissima						240		
Pseudo-nitzschia delicatissima group	3312	1445	2312	6647	760		15120	16560
Pseudo-nitzschia seriata group		289	578	289				
Salpingella spp.	144	289						
Scrippsiella sp.	288		289					
Scrippsiella trochoidea	288							
Skeletonema costatum	7920	28900	21097	1156			7632	2016
Tabellaria spp.					40			
Thalassionema nitzschioides	144	867		1156	240	40	144	144

14-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira anguste-lineata	576	867	867	867		40		
Thalassiosira baltica					40			
Thalassiosira bioculata var. *exigua*				289				
Thalassiosira gravida							432	144
Thalassiosira nordenskioeldii	144							
Thalassiosira sp. (tiny)	1440	578		867			2448	576
Thalassiosira spp.	9792	5780	3179	2312	5240	760	4608	2592
Tintinnida	7344	8092	7514	6647	400	200	4896	13248
Tintinnopsis beroidea						120		
Tintinnopsis spp.							144	
Unarmoured dinoflagellate	3600	3468	1445	3179	40	80	1728	7776
22-Jul-08								
Alexandrium fundyense				144				
Amphidinium carterae					96			
Amphidinium sphenoides					96			
Amylax triacantha								40
Apedinella radians			578	144			432	
Armoured dinoflagellate	1445	4046	2601	720	288		576	1280
Attheya longicornis	1156	3179	578				1440	840
Aulacoseira ambigua				144				
Biddulphia alternans						40		
Centric diatom					96			
Cerataulina pelagica		1734		720		40	1440	600
Ceratium fusus							144	
Ceratium horridum	289		289	144				
Ceratium lineatum		1445		144			144	120
Ceratium longipes				432		40		240
Chaetoceros contortus			289	288	96			40
Chaetoceros convolutus f. *trisetosa*	6069	6647	3179				288	400
Chaetoceros danicus				144				
Chaetoceros debilis	289			288			144	80
Chaetoceros decipiens					192	80		40
Chaetoceros pseudobrevis				864	1248	440		
Chaetoceros radicans				144	192	120		40
Chaetoceros similis	2890	2023	4335	2880	384	80	576	320
Chaetoceros socialis	13583	4335	8381	2448	2400		2448	3400
Chaetoceros spp. (Hyalochaete)	9248	19363	7514	1872	1248	1120	720	480
Commation cryoporinum								40
Copepoda				576		40		40
Corethron hystrix		867	289			40		80
Coscinodiscus radiatus						40		
Coscinodiscus spp.								80
Cylindrotheca closterium	1445	1445	867	576	4512	520	3024	640
Dactyliosolen fragilissimus		289			96	40	288	80
Dictyocha speculum			289	144			2448	1480
Dinophysis acuminata	1734	578	2312	576				1640
Dinophysis acuta								160
Dinophysis dens								80
Dinophysis fortii				144				40

22-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis norvegica	289	867	289				288	400
Dinophysis pulchella								240
Dinophysis rotundata				144				
Ebria tripartita	5491	6069	4046	2592	96		1872	2000
Entomoneis spp.					576	400		
Eutreptiella sp.	578	289	867	720	288		1152	400
Favella spp.								40
Gonyaulax digitale	289	289						
Guinardia delicatula	9537	10404	9248	8352	3648	1800	25344	14320
Gyrodinium spp.	289		578	432	192		144	240
Helicostomella spp.	1734	5491	289					240
Heterocapsa triquetra	11560	13005	12138	1440			1008	2040
Laboea sp.				576	192		288	80
Leptocylindrus danicus		289				40	144	
Leptocylindrus minimus	114444	199410	55777	69264	14208	3800	8208	5880
Mediopyxis helysia					96	160		
Meringosphaera mediterranea	289	289					144	
Mesodinium rubrum	2601	3179	9248	1440	1056	280	8064	3360
Micracanthodinium claytonii			578					
Navicula distans	578		289			120		120
Navicula transitans var. *derasa* f. *delicatula*						40		
Parafavella spp.								40
Pennate diatom	578	1445		1008	480	40		80
Pleurosigma angulatum		289						40
Polykrikos spp.					192			
Prorocentrum minimum	4913	4913	1445			80	576	320
Protoperidinium bipes				144				80
Protoperidinium brevipes								80
Protoperidinium conicum							144	
Protoperidinium ovatum	289							
Protoperidinium spp.		578	289					
Protoperidinium steinii	289	578						120
Pseudo-nitzschia delicatissima								2760
Pseudo-nitzschia delicatissima group	3468	2023	867	1584	480	360	6768	
Pseudo-nitzschia pseudodelicatissima	578						1008	1360
Pseudo-nitzschia seriata group		289			96			
Scrippsiella sp.	289		289	144				
Scrippsiella trochoidea			289					
Skeletonema costatum	1445	867	289	144	192	40		40
Thalassionema nitzschioides					384	360		40
Thalassiosira anguste-lineata		1156	289	288				
Thalassiosira gravida						40	288	40
Thalassiosira punctigera						40		
Thalassiosira spp.	289	578	578	1008	192	280	144	40
Tintinnida	2023	4913	23987	1584	480	480	2880	3120
Tintinnopsis beroidea				144	768	200		
Tintinnopsis spp.							144	
Unarmoured dinoflagellate	5202	10115	6069	1584	768	120	3024	1680

29-Jul-08	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	4913	2890	2016	432	80		432	4335
Asterionellopsis glacialis						40		
Calliacantha sp.	289							
Cerataulina pelagica	867	1156	864	1008	40		720	289
Ceratium horridum		289						289
Ceratium lineatum	289	1156						
Ceratium longipes	289	578	288	576	40			
Chaetoceros affinis					80			
Chaetoceros contortus					40			
Chaetoceros debilis				288	40			
Chaetoceros pseudobrevis				288	480			
Chaetoceros similis			144	144	120			
Chaetoceros socialis	5780	8670	5328	3168	5360	80	144	
Chaetoceros spp. (Hyalochaete)	1445	2890	144	1152	160	280		
Corethron hystrix		289	144	288	160			
Coscinodiscus spp.	578							
Cylindrotheca closterium			288	288	1000	120	144	
Dactyliosolen fragilissimus			144				144	
Dictyocha speculum	867	1734	144	144			1584	11849
Dinophysis acuminata	578	1734	288	288	320		144	4624
Dinophysis acuta		289						
Dinophysis dens		289						
Dinophysis fortii								289
Dinophysis norvegica	289	867		144				
Dinophysis pulchella								289
Dinophysis rotundata							144	
Ebria tripartita	4624	6936	8064	4752			1728	9248
Eutreptiella sp.	867	1445	144	144	40		864	867
Gonyaulax digitale	578	289	288					578
Gonyaulax spinifera	289							578
Guinardia delicatula	16184	26299	57024	45504	6360	1240	51408	30056
Gyrodinium spp.	289				120		144	
Helicostomella spp.	578	2601	288	144			288	3757
Heterocapsa triquetra	25143	21964	14112	144			1584	22831
Laboea sp.		289		144	120		144	
Leptocylindrus minimus	289				520	40	432	
Membraneis challengeri			144					
Mesodinium rubrum	288422	20808	576	2304			7920	31212
Micracanthodinium claytonii	578		432					
Navicula distans					40	40		
Navicula transitans var. *derasa* f. *delicatula*				144	40			
Paralia sulcata						40		
Pennate diatom		578	288	288	40			289
Pleurosigma angulatum							144	
Prorocentrum minimum	3468	4046	2304	720			288	2023
Protoperidinium bipes					40			
Protoperidinium brevipes	289							289
Protoperidinium spp.		578	288				144	
Protoperidinium steinii				144				

29-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima group		289		288		80	1152	
Pseudo-nitzschia fraudulenta			576					
Pseudo-nitzschia pseudodelicatissima					120			
Pseudo-nitzschia seriata group				144				
Pseudo-nitzschia turgidula						40		
Scrippsiella sp.	8092	8381	1728	288			1008	8092
Scrippsiella trochoidea							144	
Thalassionema nitzschioides					40			
Thalassiosira spp.	289			432	40	40		
Tintinnida	51731	21675	6192	1152	120		1296	45373
Tintinnopsis beroidea					240			
Tintinnopsis spp.			144				144	
Unarmoured dinoflagellate	11560	11560	3168	3024	560		864	3468
5-Aug-08								
Alexandrium fundyense				289	120			
Alexandrium fundyense (planozygote)				289				
Amphidinium carterae	144	288			40			
Amphidinium sphenoides				289				
Amylax triacantha		432		289				
Apedinella radians			578					192
Armoured dinoflagellate	2448	5328	13583	1734	240	80	80	1056
Asterionellopsis glacialis						40		
Aulacoseira ambigua							60	
Cerataulina pelagica	1296	1584	2312	2890	280	240		96
Ceratium fusus							20	
Ceratium lineatum	432	576	578	289			20	192
Ceratium longipes	144				40	40	40	192
Chaetoceros contortus			289	1156	40			
Chaetoceros convolutus f. *trisetosa*	144	144	2312					
Chaetoceros didymus				867	40			
Chaetoceros laciniosus				867				
Chaetoceros lorenzianus			289					
Chaetoceros pseudobrevis				14161	160			
Chaetoceros radicans					40			
Chaetoceros similis	144	288	289	867	40			96
Chaetoceros socialis	144	144	5780	4046				
Chaetoceros spp. (Hyalochaete)	576	432	11849	13294	280	120		
Commation cryoporinum	144							96
Copepoda		144						192
Corethron hystrix	144		289		40	40	20	96
Coscinodiscus spp.			289					
Cylindrotheca closterium	1296	1872	2023	3757	520	280	80	384
Dactyliosolen fragilissimus	144		1156	578		40		
Dictyocha speculum	288	288	578	578	80		1160	4320
Dinophysis acuminata	432	1152	867	1445	40		40	1440
Dinophysis acuta		144						
Dinophysis fortii		144						
Dinophysis norvegica		144		867			20	384
Dinophysis pulchella								192

5-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ditylum brightwellii			289		40			
Ebria tripartita	432	288			40		60	960
Entomoneis spp.				289				
Eucampia zodiacus	144			289				
Eutreptiella sp.	864	1152	867	867	40		940	1824
Gonyaulax digitale	144	144	867				20	96
Gonyaulax spinifera	576	288	289	289				
Guinardia delicatula	49130	52128	13294	16184	21960	17520	1440	19968
Guinardia flaccida	288				40		100	
Gyrodinium aureolum			867	289				
Gyrodinium spp.	288	144	578	289	280		220	96
Helicostomella spp.	144	144	867	867			20	288
Heterocapsa triquetra	2160	3744	8959	3757	80			1248
Laboea sp.	864	144	1445		80			
Leptocylindrus danicus						40		
Leptocylindrus mediterraneus	144	144						
Leptocylindrus minimus	288	1152	10982	19363	200	40	200	192
Mediopyxis helysia					40			
Membraneis challengeri		432		289	40			
Mesodinium rubrum	40749	13968	112999	289	320	1120	1480	9696
Micracanthodinium claytonii			289					
Pennate diatom			289	867			60	
Peridinium limbatum							40	
Pleurosigma angulatum							40	
Polykrikos spp.	576	144	289		240			96
Prorocentrum minimum	1008	1872	2312	1445	200	40		672
Protoperidinium bipes		144						
Protoperidinium brevipes		144						
Protoperidinium conicum				289				
Protoperidinium ovatum		144						
Protoperidinium punctulatum	144							
Protoperidinium spp.	144	288			40			
Protoperidinium steinii				289				
Pseudo-nitzschia delicatissima group	432	1152	33524		440	360		96
Pseudo-nitzschia pseudodelicatissima				72539			20	96
Pseudo-nitzschia seriata		144						
Pseudo-nitzschia seriata group			578		80	40		96
Scrippsiella sp.	4464	6480	13005	867				480
Scrippsiella trochoidea				289				192
Skeletonema costatum			578	289				
Thalassionema nitzschioides			578	867	200	120		
Thalassiosira anguste-lineata	288			289	40			
Thalassiosira baltica				289	40			
Thalassiosira gravida				578				
Thalassiosira sp. (tiny)			1156	289				
Thalassiosira spp.	1296	1440	2023	17340	840	400		
Tintinnida	11664	10512	14450	3468	760	40	280	4032
Tintinnopsis beroidea					520	40		
Tintinnopsis spp.							20	96

5-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Unarmoured dinoflagellate	4896	6048	22253	7514	440	40	420	3264
12-Aug-08								
Actinoptychus senarius							144	
Amylax triacantha				578				1156
Apedinella radians	2890	725					144	578
Armoured dinoflagellate	57800	8700	46240	2890	120	320	3312	8670
Asterionellopsis glacialis	2890	725	2890	867	40			
Cerataulina pelagica	13005	7250	14450	6647	760	160		578
Ceratium lineatum		725		1156	40		720	2312
Ceratium longipes					40		144	578
Chaetoceros constrictus						920		
Chaetoceros contortus		4350	5780	3757	40	40		
Chaetoceros convolutus						40		
Chaetoceros convolutus f. *trisetosa*	11560	13050	23120			40		
Chaetoceros didymus				578				
Chaetoceros filiformis	7225	1450	2890					
Chaetoceros laciniosus	1445	4350		1734				
Chaetoceros lorenzianus		725		578				578
Chaetoceros pseudobrevis				14161	2280			
Chaetoceros radicans	1445					80		
Chaetoceros similis	13005	10875	2890	1445			288	
Chaetoceros socialis	7225	14500	72250		360	400		
Chaetoceros spp. (Hyalochaete)	95370	42775	132940	11271	1080	960	144	2312
Chaetoceros subtilis		725						
Chrysochromulina parkeae		2175						
Commation cryoporinum				289				
Copepoda					40		288	1156
Corethron hystrix			2890	867	80	40	144	
Coscinodiscus concinnus				289				
Cylindrotheca closterium	30345	5800	8670	2601	1200	520		1734
Dactyliosolen fragilissimus	4335	1450	2890		40	80		
Dictyocha speculum		725					22608	24276
Dinophysis acuminata	1445	725	5780	289			144	10982
Dinophysis fortii								578
Dinophysis norvegica							288	1156
Dinophysis rotundata								578
Ditylum brightwellii	1445		8670	289				
Ebria tripartita	1445			289	40		1152	7514
Entomoneis spp.					80	200		
Eucampia zodiacus				289				
Eutreptiella sp.							1872	2890
Favella spp.							144	
Gonyaulax digitale							432	578
Gonyaulax spinifera	2890			578			288	2312
Guinardia delicatula	1445		2890	1734	680	1200		
Gyrodinium aureolum	4335	2900						4624
Gyrodinium spp.	5780	4350	5780		400			1734
Helicostomella spp.	7225		20230	1156			288	7514
Heterocapsa triquetra	8670	4350	8670				144	1734

12-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Laboea sp.	2890	1450		578	240			
Lennoxia faveolata							144	1734
Leptocylindrus danicus	1445			289				
Leptocylindrus minimus	195075	103675	219640	7514	560	1160	144	578
Membraneis challengeri					120	40		
Mesodinium rubrum	40460	9425	23120	2023	1280	560	57024	20808
Micracanthodinium claytonii		2175				40		
Navicula distans					40			
Navicula transitans var. *derasa*						40		
Navicula transitans var. *derasa* f. *delicatula*		725						
Pennate diatom				289	200			
Polykrikos spp.			2890		160			
Porosira glacialis				289				
Prorocentrum minimum	2890			578	40			578
Protoperidinium punctulatum				867				
Protoperidinium spp.				289			288	578
Pseudo-nitzschia delicatissima group	1511470	1416100	14450		14440		144	53754
Pseudo-nitzschia fraudulenta	1445	725				120		
Pseudo-nitzschia pseudodelicatissima			1650190	470094		6960		
Pseudo-nitzschia seriata group			8670	867	40			
Pseudo-nitzschia subpacifica				289				
Pseudo-nitzschia turgidula					80			
Scrippsiella sp.	57800	5800	52020	1445		40	5616	36992
Scrippsiella trochoidea		2175	5780				3168	4624
Skeletonema costatum	31790	26100	52020	3468	200	320		578
Stephanopyxis turris				867				
Thalassionema nitzschioides	5780	725	5780	3179	760	240		578
Thalassiosira anguste-lineata	4335		2890	578	80			
Thalassiosira baltica				578	160	80		
Thalassiosira bioculata				289				
Thalassiosira gravida				867	40	40		
Thalassiosira nordenskioeldii				289				
Thalassiosira punctigera					40			
Thalassiosira sp. (tiny)		725		2312	240	160		
Thalassiosira spp.	49130	9425	34680	58378	5320	1520	144	1156
Tintinnida	37570	13775	11560	2023	240	40	8640	19652
Tintinnopsis beroidea				289	320	40		
Unarmoured dinoflagellate	47685	33350	37570	6647	320	160	2592	31212
19-Aug-08								
Alexandrium fundyense						40		
Amphidinium carterae		1445						
Amphidinium sphenoides	1450	2890	2890	2312				725
Armoured dinoflagellate	8700	15895	21675	1734	578	40	280	7250
Asterionellopsis glacialis	725	7225	1445	2890	867	200	40	
Attheya longicornis	725	1445						5075
Centric diatom				578				
Corataulina pelagica	11600	5780	11560	3468	2312	120	80	6525
Ceratium lineatum								2175
Ceratium longipes							80	

19-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros affinis					289		40	
Chaetoceros contortus		1445	8670	578	867	40		
Chaetoceros convolutus f. *trisetosa*	2175	5780	8670			40	80	1450
Chaetoceros didymus	3625	4335		1734	1156	40		
Chaetoceros filiformis	5075	2890	8670					725
Chaetoceros furcellatus					289			
Chaetoceros laciniosus	2900	7225	4335				200	2175
Chaetoceros lorenzianus						40	120	6525
Chaetoceros pseudobrevis					3468	280		
Chaetoceros radicans					289			
Chaetoceros similis	4350	10115	2890			40	160	2900
Chaetoceros socialis	8700	7225	10115		578	440	120	12325
Chaetoceros spp. (Hyalochaete)	39875	49130	65025	39304	4913	600	280	34800
Chrysochromulina parkeae	725	1445	1445					
Commation cryoporinum					578	40		
Copepoda							40	
Corethron hystrix	725		1445	1734	578	40		2900
Cylindrotheca closterium	14500	7225	5780	5780	4913	760	440	10150
Dactyliosolen fragilissimus		1445	2890	578				
Dictyocha speculum			1445	578			880	31900
Dinophysis acuminata				1156			40	9425
Dinophysis norvegica			1445				40	725
Ditylum brightwellii	3625	2890	4335	4046	289			
Ebria tripartita	725		2890				40	13775
Eutreptiella sp.	725				578		440	2175
Gonyaulax digitale	725							
Gonyaulax spinifera	725	2890						
Guinardia delicatula		1445	1445	578			40	
Gyrodinium aureolum			1445					
Gyrodinium spp.	1450	1445	4335	578	289		40	
Helicostomella spp.	1450	1445		1734	289			
Heterocapsa triquetra	725	7225	2890					1450
Laboea sp.	725			578				
Lennoxia faveolata							40	
Leptocylindrus danicus			1445					
Leptocylindrus minimus	81925	171955	89590	12716	9248	600	440	22475
Membraneis challengeri	725				289			
Mesodinium rubrum	1450	7225	4335		867	240	1760	10875
Micracanthodinium claytonii			1445					
Navicula transitans var. *derasa* f. *delicatula*	1450					40		1450
Pennate diatom	725			5780	3468	160		725
Pleurosigma angulatum							40	
Prorocentrum micans							40	
Prorocentrum minimum	725	4335	1445	3468				2175
Protoperidinium brevipes							40	
Protoperidinium spp.			1445				40	725
Pseudo-nitzschia americana							40	
Pseudo-nitzschia delicatissima							1680	
Pseudo-nitzschia delicatissima group	702270	976820	1500300	342754				734060

19-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia fraudulenta	5075				289			
Pseudo-nitzschia pseudodelicatissima					123692	22760	5000	
Pseudo-nitzschia pungens						40		2175
Pseudo-nitzschia seriata				578	289			
Pseudo-nitzschia seriata group		7225	4335			40	80	5075
Pseudo-nitzschia turgidula				578				
Scrippsiella sp.	7975	27455	10115	1734				3625
Scrippsiella trochoidea							80	1450
Skeletonema costatum	72500	127160	150280	31212	10693	320	440	20300
Stephanopyxis turris	725					40		1450
Thalassionema nitzschioides	5800	2890	5780	5780	2023	920		2175
Thalassiosira anguste-lineata				578				
Thalassiosira baltica				1156	289	160		
Thalassiosira gravida			5780			80		
Thalassiosira nordenskioeldii		1445						
Thalassiosira punctigera				1156				
Thalassiosira sp. (tiny)	2175	4335	11560	1734	1445			2900
Thalassiosira spp.	38425	14450	47685	54332	27166	320	200	10875
Tintinnida	4350	10115	13005	2312	1445		440	7250
Tintinnopsis spp.							40	725
Unarmoured dinoflagellate	3625	2890	5780	1734	867		80	2900
26-Aug-08								
Alexandrium fundyense				578				
Amphidinium sphenoides		10875	9425	7514	5491		288	5800
Amylax triacantha	1445							725
Apedinella radians	1445	725	725					
Armoured dinoflagellate	7225	7250	7250	578	1156		288	2175
Asterionellopsis glacialis	5780	2900	725	5780	3757	1728	144	2900
Attheya longicornis		5800	3625					
Calliacantha sp.			725					
Cerataulina pelagica	7225	2900	7975	1156	1156	432	864	2900
Ceratium lineatum		725						4350
Chaetoceros affinis					289	288		
Chaetoceros contortus		3625		1156				725
Chaetoceros convolutus f. *trisetosa*	4335	5075	2900					
Chaetoceros debilis							144	
Chaetoceros decipiens				578				
Chaetoceros diadema							144	
Chaetoceros didymus		1450	725	3468	578	288	1152	2175
Chaetoceros filiformis	4335		2900					
Chaetoceros laciniosus	2890	2175	4350	1156			144	2900
Chaetoceros lorenzianus	2890	5800					720	17400
Chaetoceros pseudobrevis			725			1008		
Chaetoceros radicans						144		
Chaetoceros similis	4335	6525	2900	578	289		432	
Chaetoceros socialis	70805	64525	65250	4624	1445	576	10368	35525
Chaetoceros spp. (Hyalochaete)	5780	24650	13050	7514	27455	2304	4320	26100
Chaetoceros subtilis			725					
Chrysochromulina parkeae		2175	4350					

26-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Corethron hystrix	1445	725		1156		864	288	725
Cylindrotheca closterium	17340	4350	725	7514	10982	2448	1584	1450
Dactyliosolen fragilissimus	2890	4350	2900	578	289	144	144	3625
Dictyocha speculum	1445	725	1450	1156	1156		1440	10150
Dinobryon spp.		2175	1450					
Dinophysis acuminata			1450	578				5800
Dinophysis norvegica							288	
Ditylum brightwellii	7225	7250	1450	2312	3468	864		725
Ebria tripartita		725	725	578		144	432	9425
Entomoneis spp.					6358	1584		
Eucampia zodiacus	2890	725						
Eutreptiella sp.	4335	3625	725	578			1008	5075
Gonyaulax spinifera			725					
Guinardia delicatula	2890		725			576		
Guinardia flaccida								1450
Gyrodinium aureolum			725					
Gyrodinium spp.	1445		2175	1734	289		144	725
Helicostomella spp.								725
Heterocapsa triquetra		1450	725					725
Laboea sp.								1450
Leptocylindrus danicus				2312	578		288	2175
Leptocylindrus mediterraneus		725						
Leptocylindrus minimus	2890	5075		578		864	1440	1450
Mesodinium rubrum	4335	5075	2900		1156	288	7200	7250
Navicula transitans var. *derasa* f. *delicatula*	4335	725		578	2601		288	725
Paralia sulcata					289			
Pennate diatom	2890	7975	5800		867	720	576	
Porosira glacialis					289			
Prorocentrum minimum			1450					
Protoperidinium bipes		725	725	578	289			
Protoperidinium spp.		725					144	
Pseudo-nitzschia delicatissima							432	
Pseudo-nitzschia delicatissima group		479740			1445			855440
Pseudo-nitzschia fraudulenta	1445	2900	4350	5202	867	288		1450
Pseudo-nitzschia pseudodelicatissima	332350		351135	187272	216710	65603	49104	
Pseudo-nitzschia pungens		725	725			288	5184	2900
Pseudo-nitzschia seriata			725	578			288	1450
Pseudo-nitzschia seriata group	1445	725	725	1734	1734		576	33350
Pseudo-nitzschia subpacifica		2175					144	
Pseudo-nitzschia turgidula				2890				
Scrippsiella sp.	1445	725	8700				144	
Scrippsiella trochoidea				1156			144	2175
Skeletonema costatum	39015	26825	5800	6358	19363	4752	1008	725
Stephanopyxis turris		725		3468	578	144	144	2175
Thalassionema nitzschioides	4335			6358	5491	3312		2175
Thalassiosira anguste-lineata	1445							
Thalassiosira baltica						432		
Thalassiosira gravida	1445	725	1450	1156		288		
Thalassiosira nordenskioeldii			725					

26-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira punctigera					289			
Thalassiosira sp. (tiny)	1445	1450		578	2601	1008		
Thalassiosira spp.	46240	13050	9425	43928	69938	30816	1152	
Tintinnida	2890	4350	8700	1734	289	720	1728	25375
Unarmoured dinoflagellate		1450		1734	2023	432	144	5075
2-Sep-08								
Alexandrium fundyense	193			289				
Alexandrium fundyense (cyst)				289				
Amphidinium carterae							288	
Amphidinium sphenoides	579	2123	1544	289	578	432		1156
Apedinella radians	386		772					
Armoured dinoflagellate	1351	8106	6948	3757	289	144	1008	867
Asterionellopsis glacialis	193	772	772	867	578	864		867
Attheya longicornis	193		193					1734
Cerataulina pelagica	1158	386	1158	578	289	288	576	1445
Ceratium lineatum	386	2316	2702	2601			144	
Chaetoceros contortus	579	579		578	867	288		289
Chaetoceros convolutus f. *trisetosa*	772	579	579					289
Chaetoceros debilis		579	386		289	144	288	867
Chaetoceros decipiens				2312	1445	144		289
Chaetoceros didymus		193	193					578
Chaetoceros filiformis		193						
Chaetoceros laciniosus	579	1158	1544	578			432	578
Chaetoceros lorenzianus	965	1158	2123					289
Chaetoceros pseudobrevis						144		
Chaetoceros similis	193	193	1737		289		144	289
Chaetoceros socialis	12931	17563	14861	4335			11520	44506
Chaetoceros spp. (Hyalochaete)	4053	5211	3860	16473	7225	2880	1728	8381
Chrysochromulina parkeae	193		386					
Commation cryoporinum		193						
Corethron hystrix	579	579	579	578	289	576	432	
Cylindrotheca closterium	5018	3088	2509	2312	3179	2016	720	3179
Dactyliosolen fragilissimus	579	965	772	867	289	576		2890
Dictyocha speculum	386	1351	965	578	289		864	1445
Dinophysis acuminata	579	386	579	1734				578
Dinophysis dens		193		289				
Dinophysis spp.			193					
Ditylum brightwellii	11194	10036	13510	14450	3757	4176		1156
Ebria tripartita		193	193					289
Entomoneis spp.						432		
Eucampia zodiacus			193					
Eutreptiella sp.	1158	965	193	289			720	
Favella spp.		193						
Gonyaulax digitale			386					
Gonyaulax spinifera			193					
Grammatophora marina		386						
Guinardia delicatula		1158	1544				144	289
Guinardia striata						144		
Gyrodinium spp.		386	386	289				289

2-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Helicostomella spp.	386		386					
Heterocapsa triquetra	193	1544	965	289				
Laboea sp.	193			289			144	
Lennoxia faveolata	386	193						
Leptocylindrus danicus	386			1734		576	144	
Leptocylindrus mediterraneus	772	1351	2895	578				289
Leptocylindrus minimus	1544	2509	1544	2890	867	288	576	867
Mediopyxis helysia					289	144		
Membraneis challengeri			193					
Meringosphaera mediterranea	193							
Mesodinium rubrum	3088	1930	9264	578	289	288	4464	1445
Navicula transitans var. *derasa* f. *delicatula*	1158	965	772		578	432	144	
Pennate diatom	579	965	193			432		
Pleurosigma strigosum		193						
Polykrikos spp.	193		193	289				
Prorocentrum minimum	193	386	772					867
Prorocentrum sp. (small)			386				144	
Protoperidinium bipes			193					578
Protoperidinium spp.	386	193	193	867				
Protoperidinium steinii						144		
Pseudo-nitzschia americana	193						144	
Pseudo-nitzschia delicatissima	193						864	
Pseudo-nitzschia delicatissima group		22774	21037	2312				116178
Pseudo-nitzschia fraudulenta		6176	7141	2312	1156	432		4913
Pseudo-nitzschia pseudodelicatissima	39372		965	14450	50575	28080	24768	
Pseudo-nitzschia pungens	8492	16598	9071	15895	11560	4320	6192	27455
Pseudo-nitzschia seriata	1544	193	579	1445	289			867
Pseudo-nitzschia seriata group	2509	579	3474	15317	1445		864	3179
Pseudo-nitzschia subpacifica	2123	2316	1351	289	289		144	289
Pseudo-nitzschia turgidula				3468	867	1872	144	
Rhizosolenia setigera								289
Scrippsiella sp.	1737	1930	11001	867				289
Scrippsiella trochoidea			1351				144	
Skeletonema costatum	193		193			576	432	289
Stephanopyxis turris	965	1737	1737	1734	1734	144	720	3179
Strobilididae					289			
Thalassionema nitzschioides	193	386			867	2160	720	289
Thalassiosira anguste-lineata	193	193	193	578	867	288		
Thalassiosira baltica		579				1152		
Thalassiosira bioculata	193	579	1158	289				
Thalassiosira gravida	1351	2316	2316	2312	867	288	288	289
Thalassiosira nordenskioeldii					289			
Thalassiosira punctigera	193	193				144		
Thalassiosira sp. (tiny)		579		289	289			
Thalassiosira spp.	8106	7141	4439	14739	12138	11952	576	2890
Tintinnida	965	2895	1737	1156	578	1008	288	578
Tintinnopsis beroidea						144		
Tintinnopsis spp.							144	
Unarmoured dinoflagellate	1351	2316	2509	1734	867	720	288	

9-Sep-08	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Alexandrium fundyense				289				
Amphidinium carterae	144							
Amphidinium sphenoides		289	3179	1156	578			578
Apedinella radians	288	578	578				193	578
Armoured dinoflagellate	2160	15606	23987	867	578		290	10982
Asterionellopsis glacialis						864		
Centric diatom					1156			
Cerataulina pelagica		289	289					289
Ceratium lineatum	9216	14739	13583				965	5202
Ceratium spp.	144							
Chaetoceros contortus		1445	578	289	578	432		867
Chaetoceros convolutus f. *trisetosa*	144							
Chaetoceros debilis	288	3179	1156	1445		144	579	
Chaetoceros decipiens						1728		289
Chaetoceros didymus					578			
Chaetoceros laciniosus		578		578			193	
Chaetoceros lorenzianus	1152	2601	867	2312	5780		386	1156
Chaetoceros similis	288	578			289		1158	578
Chaetoceros socialis		15895	23987	23698			29336	32368
Chaetoceros spp. (Hyalochaete)	1152	2890	5780	7514	13005	2592	2895	4046
Chrysochromulina parkeae			578					
Copepoda	288							
Corethron hystrix		289			867	288	386	289
Coscinodiscus wailesii						144		
Cylindrotheca closterium	1008	2312	1734	867	5202	1152	1351	289
Dactyliosolen fragilissimus		578		3757		288	3474	1734
Dictyocha speculum	432	578		2601				289
Dinophysis acuminata	288	1445	1445	289				7514
Dinophysis fortii			289					
Dinophysis spp.			289					
Ditylum brightwellii	1008	5491	1734	3179	6647	8784	965	867
Ebria tripartita	144	289						578
Entomoneis spp.						1152		
Eucampia zodiacus	288							
Eutreptiella sp.	4320	1156	1445				1930	289
Gonyaulax digitale			578					
Gonyaulax spinifera								289
Guinardia delicatula	432			578	1156	432	965	1156
Gyrodinium aureolum			1445					289
Gyrodinium spp.	144	578	2023	1445		288	193	289
Gyrosigma littorale		289						
Heterocapsa triquetra	720	1734	5202				193	11849
Laboea sp.		289	289				579	
Lennoxia faveolata	144	867	7225	289				
Leptocylindrus danicus	288			289	2023	288	193	
Leptocylindrus mediterraneus		1156	1734	2601	578			
Leptocylindrus minimus	1584	4046	10693	1156	1156	432	1351	1445
Mesodinium rubrum	8640	2023	10982	1156		576	5983	23409
Micracanthodinium claytonii		289						

9-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Navicula transitans var. *derasa* f. *delicatula*	144	578	289		578			
Paralia sulcata						144		
Pennate diatom	288	867		1156	1156		772	
Pleurosigma strigosum				289		144		
Polykrikos spp.							193	
Prorocentrum micans	144					144		
Prorocentrum minimum		867	1156	867			193	1156
Protoperidinium bipes				289				
Protoperidinium punctulatum	144							
Protoperidinium spp.	144	289	1156			144	386	867
Pseudo-nitzschia americana	144	289	289				193	
Pseudo-nitzschia delicatissima		289	578					
Pseudo-nitzschia delicatissima group							3474	
Pseudo-nitzschia fraudulenta		289	1156	7803	11271	1440	1351	10115
Pseudo-nitzschia pseudodelicatissima		867		3757	9826	4896	1930	
Pseudo-nitzschia pungens	7920	13872	15317	33813	34102	7056	27213	19074
Pseudo-nitzschia seriata	432	2601	2601	867	289	144	965	6647
Pseudo-nitzschia seriata group	1296	9826	10404	6647	3179		772	6647
Pseudo-nitzschia subpacifica	144	8959	3757	11849	3179	864	4632	1445
Pseudo-nitzschia turgidula		578		2890	578	1008		
Rhizosolenia hebetata f. *semispina*				289				
Scrippsiella sp.	7344	17629	14450					13005
Scrippsiella trochoidea	576	289	7225					1156
Skeletonema costatum		578	289				193	289
Stephanopyxis turris	144	289	1734	2890	867	1584	386	578
Thalassionema nitzschioides					867	2160	193	
Thalassiosira anguste-lineata				289			193	
Thalassiosira baltica				289		288		
Thalassiosira bioculata			289					
Thalassiosira gravida	576	4335	2601	1734	6358	2880		1734
Thalassiosira punctigera				289		288		
Thalassiosira spp.	144	578	289	3179	6936	4032	1158	
Tintinnida	4320	4046	6936	289	578	288	1158	19074
Unarmoured dinoflagellate	4608	4913	6647	578	578		386	10115
16-Sep-08								
Amphidinium carterae		144		289				578
Amphidinium sphenoides	240		432	867	288	96		867
Amylax triacantha								289
Apedinella radians			432					
Armoured dinoflagellate	560	2448	1440	6069	144	288	20	2023
Centric diatom	80					96		
Cerataulina pelagica	160		288		144	96		289
Ceratium lineatum	1720	12096	1728	8092	288	96	180	10693
Ceratium longipes								578
Chaetoceros contortus	40							289
Chaetoceros debilis	120	576	432			96		
Chaetoceros decipiens							20	
Chaetoceros didymus					144			
Chaetoceros laciniosus	40		144					

16-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros lorenzianus			144			192		289
Chaetoceros similis	80		144				280	
Chaetoceros socialis	3520	4464	12096	7803	1872		480	32368
Chaetoceros spp. (Hyalochaete)	360	288	576	4335	1008	1152	120	2023
Chrysochromulina parkeae								289
Commation cryoporinum				289				
Copepoda	80	144		289			20	
Corethron hystrix		144				192	40	289
Coscinodiscus spp.	40	144	144					
Coscinodiscus wailesii	80	288	144	289				289
Cylindrotheca closterium	1040	144	432	578	3024	1440	140	
Dactyliosolen fragilissimus	1840		288		144	768	220	1156
Dictyocha speculum	160	144	288	578			40	2023
Dinophysis acuminata	80	144	144	1734			40	8381
Dinophysis fortii							20	
Dinophysis norvegica		144						
Dinophysis pulchella								289
Ditylum brightwellii	760	720	288	1156	864	1440	40	289
Ebria tripartita							20	289
Entomoneis spp.						576		
Eutreptiella sp.	720	144	144	867		288	220	2890
Gonyaulax spinifera		144						
Guinardia delicatula	120	144	864		288	192	200	
Gyrodinium aureolum		864	144					
Gyrodinium spp.	160	288		867		96	20	
Gyrosigma fasciola							20	
Heterocapsa triquetra	40	720		289				289
Laboea sp.							80	289
Lennoxia faveolata	160	864						289
Leptocylindrus danicus				5491	2016		20	
Leptocylindrus mediterraneus	200	432	2592	2023	144	96		578
Leptocylindrus minimus	1240	7344	3600	6069	432	480	180	1156
Mediopyxis helysia						96		
Mesodinium rubrum	2600	6480	1008	3468		192	8840	40171
Navicula transitans var. *derasa*					288			
Navicula transitans var. *derasa* f. *delicatula*		144						
Paralia sulcata								289
Pennate diatom		576		578	288	288	60	
Pleurosigma angulatum	40						60	
Pleurosigma strigosum	40		432		144			
Polykrikos spp.								289
Prorocentrum micans		144						
Prorocentrum minimum	240	1296	576	578			40	2601
Protoperidinium bipes				289				
Protoperidinium excentricum	40							
Protoperidinium spp.	40			578				
Pseudo-nitzschia americana	640	144	288				400	
Pseudo-nitzschia delicatissima			576					
Pseudo-nitzschia delicatissima group		144					140	

16-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia fraudulenta	600	1152	5184	31212	4752	2592	160	1734
Pseudo-nitzschia pseudodelicatissima	120	432		2601	3744	1824	200	578
Pseudo-nitzschia pungens	2840	15696	5328	7803	12960	6816	540	1156
Pseudo-nitzschia seriata	800	720	2736	2312	288	576	200	3468
Pseudo-nitzschia seriata group	2600	5328	18000	4913	576	960	80	4913
Pseudo-nitzschia subpacifica	3080	10944	11376	20808	6192	1056	100	11271
Pseudo-nitzschia turgidula				3757	1152	192	60	
Scrippsiella sp.	280	3312	144	2023				
Scrippsiella trochoidea				289				
Skeletonema costatum	80				144		100	
Stephanopyxis turris	280	144	432	289		480		
Thalassionema nitzschioides		144			432	288	100	
Thalassiosira baltica						192		
Thalassiosira gravida	320	720	432	4335	1008	768	40	1156
Thalassiosira punctigera							20	
Thalassiosira spp.	280	720	288	578	1296	2784	80	289
Thalassiothrix longissima		144						
Tintinnida	920	3168	1152	7225	288	384	260	10693
Tintinnopsis spp.							20	
Unarmoured dinoflagellate	400	1584	1008	1156	144	288	160	2312
22-Sep-08								
Actinoptychus senarius						280		
Amphidinium carterae		40	40					
Amphidinium sphenoides	40		160	576	96			
Apedinella radians		40	40	96				
Armoured dinoflagellate	160	160	840	1152	192	80	20	1440
Aulacoseira ambigua						40		
Centric diatom				96		40		
Cerataulina pelagica			40		384			288
Ceratium lineatum	520	200	2720	2304			240	1632
Ceratium longipes			40					96
Chaetoceros debilis		80	40		192			
Chaetoceros didymus					96			
Chaetoceros laciniosus			40				20	
Chaetoceros lorenzianus							20	
Chaetoceros similis		40	40				120	96
Chaetoceros simplex	80							
Chaetoceros socialis	1600	200	240	672	672		580	4320
Chaetoceros spp. (Hyalochaete)			40			80	20	
Chrysochromulina parkeae								96
Commation cryoporinum					96			
Copepoda		120	40			40		
Corethron hystrix			40		96		80	192
Coscinodiscus radiatus				96	96			
Coscinodiscus spp.	40	40	120					
Coscinodiscus wailesii	40	40	80	192			40	
Cylindrotheca closterium	360	760	400	576	3552	560	220	864
Dactyliosolen fragilissimus			80	96	864	160		192
Dictyocha speculum	160	40	40			40	60	1632

22-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis acuminata	40	40	160		192		20	1056
Dinophysis norvegica				96				
Dinophysis rotundata			40					
Ditylum brightwellii		40		96	384	280		
Ebria tripartita							20	
Entomoneis spp.					288	40		
Eutreptiella sp.	720	160	360	672			260	2688
Gonyaulax digitale				96				96
Gonyaulax spinifera			40	192				
Guinardia delicatula	120	280			96	40	40	96
Guinardia flaccida							40	192
Guinardia striata	40							
Gyrodinium aureolum				96				
Gyrodinium spp.		40	160	96	288			288
Heterocapsa triquetra				288				
Laboea sp.			160	288			40	
Lennoxia faveolata	280	160	80		96		20	480
Leptocylindrus danicus	40	280		2112	2016	560	60	960
Leptocylindrus mediterraneus			320	96	96			
Leptocylindrus minimus	400	1440	2200	384	1056	120	280	1152
Membraneis challengeri					96			
Mesodinium rubrum	5840	720	2360	2112	96		980	10944
Navicula transitans var. *derasa*				192	192			
Navicula transitans var. *derasa* f. *delicatula*		40	120				20	
Pennate diatom	440	40	40	480	384	160	120	864
Pleurosigma strigosum	40			576				
Prorocentrum minimum		40		288				384
Protoperidinium cerasus				96				
Protoperidinium punctulatum				96				
Protoperidinium spp.			40					
Pseudo-nitzschia americana	80	40					40	288
Pseudo-nitzschia delicatissima			40		96			96
Pseudo-nitzschia delicatissima group		120					100	
Pseudo-nitzschia fraudulenta	240	440	440	1344	6144	1520	280	960
Pseudo-nitzschia pseudodelicatissima		160	640	480	960	280	160	
Pseudo-nitzschia pungens	80	480	280	1248	3744	1520	40	96
Pseudo-nitzschia seriata	200	1800	6440	1824	480	440	180	672
Pseudo-nitzschia seriata group	400	3120	2080	8640	1344	560	100	1728
Pseudo-nitzschia subpacifica	760	2240	3480	2880	9312	4320	300	2400
Pseudo-nitzschia turgidula	160			1728	2400	200		1728
Rhizosolenia setigera							20	
Scrippsiella sp.	160		40	96				384
Scrippsiella trochoidea	40		40	96				96
Skeletonema costatum		80					20	
Stephanopyxis turris					288	200		96
Thalassionema nitzschioides						80		
Thalassiosira baltica						40		
Thalassiosira gravida		120	160	288	384	240	20	
Thalassiosira punctigera	40							

22-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira spp.	80	200	240	672	288	200	60	
Tintinnida	1160	520	1880	6144	384	40	660	7872
Unarmoured dinoflagellate	200	80	320	576	288	40	60	672
30-Sep-08								
Actinoptychus senarius				192				
Alexandrium fundyense	40			192				
Amphidinium carterae		160						40
Amphidinium sphenoides					80	40		
Amylax triacantha								80
Apedinella radians			720					
Armoured dinoflagellate	240	320	1440	1152	120	80	40	120
Aulacoseira ambigua					1240			
Centric diatom		40						20
Cerataulina pelagica		40						20
Ceratium lineatum	16760	10720	34560	26112	360	80	580	2300
Ceratium longipes	40							
Ceratium spp.	120							
Chaetoceros similis							80	80
Chaetoceros socialis						280	20	20
Chaetoceros spp. (Hyalochaete)						80	20	20
Commation cryoporinum					40	40		40
Copepoda	160				40	40		
Corethron hystrix							20	20
Coscinodiscus spp.	80			192	200			
Coscinodiscus wailesii	480	80	576	384	80	120	20	140
Cylindrotheca closterium	200	40		96	80	320	40	80
Dactyliosolen fragilissimus						80		100
Dictyocha speculum	80	40	144		120		60	300
Dinophysis acuminata	240	120	288	384			40	300
Dinophysis dens				384				20
Dinophysis fortii				96				
Dinophysis norvegica		80		192				20
Dinophysis pulchella	80			96				
Ditylum brightwellii	40					40	40	
Ebria tripartita							20	20
Entomoneis spp.						40		
Eucampia zodiacus		40						
Eutreptiella sp.	920	960	5616	2304	120			340
Gonyaulax digitale	240	1320	288	192				20
Gonyaulax spinifera	80	120	432		40			
Guinardia delicatula							20	
Guinardia flaccida	120							
Gyrodinium aureolum	40	40	288	192				
Gyrodinium spp.	280	240	576	384	320	120	60	180
Helicostomella spp.							20	
Heterocapsa triquetra	160							40
Laboea sp.	80	160		96			60	40
Lennoxia faveolata	40	40	432			40		
Leptocylindrus danicus						120	40	20

30-Sep-08 (continued)	3-0m	15-0m	16-0m	16-16m	16-25m	16-50m	17-0m	25-0m
Leptocylindrus mediterraneus			144		280			
Leptocylindrus minimus		40				160	120	
Mesodinium rubrum	880	680	3600	1920	200	160	740	2520
Navicula distans	40	40			40	160		
Navicula transitans var. *derasa* f. *delicatula*			288		40			20
Notholca spp.		80						20
Pennate diatom	80	80	1872	96			20	20
Phaeocystis pouchetii					80			
Pleurosigma angulatum				96				
Pleurosigma strigosum	40					40		
Polykrikos spp.					40			
Prorocentrum micans	40	40	144					
Prorocentrum minimum	40	40	576					
Protoperidinium bipes								20
Protoperidinium brevipes								20
Protoperidinium excentricum					40			20
Protoperidinium spp.	80	120		288	40			
Protoperidinium steinii	120			96				20
Pseudo-nitzschia americana							40	
Pseudo-nitzschia delicatissima							40	
Pseudo-nitzschia delicatissima group			144		40			
Pseudo-nitzschia fraudulenta				96		80	60	
Pseudo-nitzschia pseudodelicatissima	40				40	240		
Pseudo-nitzschia pungens		40	144		200	120	40	
Pseudo-nitzschia seriata	40				80	320		80
Pseudo-nitzschia seriata group	40	80		96		80	80	100
Pseudo-nitzschia subpacifica			144			160		100
Pseudo-nitzschia turgidula					80			
Rhizosolenia setigera							20	20
Scrippsiella sp.	120		144	96				
Scrippsiella trochoidea	40	80					60	80
Stephanopyxis turris						40		
Thalassionema nitzschioides						80		
Thalassiosira punctigera	40							20
Thalassiosira spp.		80				40		20
Tintinnida	2760	1040	10080	8640	400	520	340	1100
Tintinnopsis spp.							20	20
Unarmoured dinoflagellate	440	560	2016	1056	240	40	220	420
6-Oct-08								
Alexandrium fundyense	40		40		40			192
Amphidinium carterae			40	40				672
Amphidinium sphenoides	80						20	96
Apedinella radians			40					
Armoured dinoflagellate	320	20		280	40		40	288
Aulacoseira ambigua		140		40				
Aulacoseira granulata							20	
Centric diatom				80		40		
Cerataulina pelagica							20	
Ceratium lineatum	4600	40	2480	40	80		60	11040

6-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ceratium spp.				2320				
Chaetoceros similis								192
Chaetoceros spp. (Hyalochaete)	40					80		
Commation cryoporinum				40				
Copepoda	80	40				80	20	288
Corethron hystrix							20	
Coscinodiscus radiatus					40			
Coscinodiscus spp.	40	20		40				
Coscinodiscus wailesii	680	60	120				20	384
Cylindrotheca closterium	120	200	320	160	120	80		
Detonula confervacea				40				
Dictyocha speculum	80		240	120	80			6144
Dinobryon spp.							20	
Dinophysis acuminata	40	20	120	120	80			4224
Dinophysis dens								768
Dinophysis fortii		20						96
Dinophysis norvegica		20						192
Dinophysis rotundata	40		80					
Dinophysis tripos	80							
Ditylum brightwellii							20	
Ebria tripartita								1248
Eutreptiella sp.	1600	80	1440	600			80	5376
Gonyaulax digitale		20	120					288
Guinardia delicatula				40	40			
Gyrodinium aureolum	40		80	40				96
Gyrodinium spp.	120	40		160	80			
Helicostomella spp.							20	96
Laboea sp.	40	20		120			20	96
Lennoxia faveolata			40					
Leptocylindrus mediterraneus			40		40			
Mesodinium rubrum	3560	1960	14160	400	40	40	580	9312
Micracanthodinium claytonii			40					
Navicula distans		60	40	40		40		
Navicula transitans var. *derasa* f. *delicatula*	40	20						
Pennate diatom		20	40	120	40	80	20	
Pleurosigma strigosum					40			
Prorocentrum micans								96
Prorocentrum minimum			160					
Protoperidinium excentricum	40							
Protoperidinium spp.				40				
Pseudo-nitzschia delicatissima group			40					
Pseudo-nitzschia fraudulenta				40				
Pseudo-nitzschia pseudodelicatissima				120				
Pseudo-nitzschia pungens						40		
Pseudo-nitzschia seriata group	40	60	40	40				
Pseudo-nitzschia subpacifica		40	40			40		
Rhizosolenia setigera							20	
Scrippsiella trochoidea	80	20	80					576
Skeletonema costatum							40	

6-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassionema nitzschioides					40	40		
Thalassiosira punctigera							20	
Thalassiosira spp.			40	40		80		
Tintinnida	1560	60	960	560	280		180	6528
Tintinnopsis beroidea						160		
Unarmoured dinoflagellate	160	20	280		80	40		576
14-Oct-08								
Actinoptychus senarius	80	120				160	40	
Alexandrium fundyense			20	40				80
Amphidinium carterae	40	60					20	
Amphidinium sphenoides			20	40				40
Apedinella radians			60					
Armoured dinoflagellate	100	220	420	280			80	120
Aulacoseira ambigua		20	20	120	80	40	20	
Centric diatom				40	40	40		
Ceratium lineatum	320	860	1600	1360			40	720
Ceratium minutum							40	
Ceratium spp.	60	20	180	40				160
Chaetoceros similis	20						20	40
Chaetoceros subtilis							20	
Copepoda	60	40	20	40			100	40
Corethron hystrix	40							40
Coscinodiscus radiatus				160	40			
Coscinodiscus spp.	60	60	60			80		40
Coscinodiscus wailesii	120	120	80	200	40		20	360
Cylindrotheca closterium	180	440	200		200	160	40	40
Dactyliosolen fragilissimus	20							
Dictyocha speculum	80	100	160	160			540	3880
Dinobryon spp.							20	
Dinophysis acuminata	20	40	60	120				1920
Dinophysis fortii	20		60					
Dinophysis norvegica			40	40			20	40
Dinophysis rotundata							20	
Ditylum brightwellii	20	20	60					
Ebria tripartita								80
Entomoneis spp.						80		
Eutreptiella sp.	620	900	1460	1400	40		140	4320
Gonyaulax digitale			20					
Gonyaulax spinifera			40					
Guinardia delicatula		20						
Guinardia flaccida		60			40			
Guinardia striata			20	80				
Gyrodinium aureolum			60					
Gyrodinium spp.	60	160	80	160	40		40	
Heterocapsa triquetra		60	40					40
Laboea sp.	80	120	60	80			80	80
Lennoxia faveolata	40		100					
Leptocylindrus danicus		20						
Leptocylindrus minimus	40	40	20	40				

14-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Melosira monoliformis		20						
Membraneis challengeri	20		20					
Mesodinium rubrum	1560	4140	3700	400	80		4980	1200
Navicula distans		20			40	40		
Navicula transitans var. *derasa* f. *delicatula*			20	80				
Odontella sinensis					40			
Pennate diatom		20	120	40	80	40	40	
Pleurosigma angulatum		20						
Pleurosigma strigosum			20		40	200		
Prorocentrum micans	20	20						40
Prorocentrum minimum					40			
Protoperidinium spp.							20	40
Pseudo-nitzschia americana						40		
Pseudo-nitzschia delicatissima group			40	40				
Pseudo-nitzschia fraudulenta		20					20	
Pseudo-nitzschia pseudodelicatissima	20	40			80	40		
Pseudo-nitzschia pungens				120	40	80	20	
Pseudo-nitzschia seriata		20						
Pseudo-nitzschia subpacifica			40	40				
Pseudo-nitzschia turgidula			20	40				
Rhizosolenia setigera							20	
Scrippsiella trochoidea			20				100	400
Skeletonema costatum			20				20	
Stephanopyxis turris	20							
Thalassionema nitzschioides						40		
Thalassiosira baltica		20						
Thalassiosira gravida		20						
Thalassiosira punctigera	20	20	20			40	20	
Thalassiosira spp.	120	40	40	40	80		20	
Tintinnida	1140	1540	1660	1880	400	120	3800	2120
Tintinnopsis spp.	20						20	40
Unarmoured dinoflagellate	120	200	160	480		40	220	80
21-Oct-08								
Actinoptychus senarius	80	40			360	1000	140	
Alexandrium fundyense		20			200			
Alexandrium fundyense (duplet)					40			
Amphidinium carterae	40	20	20		40			
Amphidinium sphenoides				40	40			
Apedinella radians	60		20					
Armoured dinoflagellate	120	40	200	280	200		20	40
Aulacoseira ambigua	40				80	80		100
Centric diatom					160			
Cerataulina pelagica			20					
Ceratium fusus			20					
Ceratium lineatum	220	240	740	720	200	40		140
Ceratium minutum		20					20	
Ceratium spp.			20					
Chaetoceros similis								40
Copepoda	80	40	40		40			40

21-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Corethron hystrix	20		20				80	40
Coscinodiscus spp.	40	60	120	120		80		20
Coscinodiscus wailesii	40		60	160	40			
Cylindrotheca closterium	420	260	500	80	400	280	20	80
Dictyocha speculum	120	80	40	40	40		300	760
Dinophysis acuminata	60				40			180
Dinophysis rotundata	20							20
Dinophysis tripos				40				
Ditylum brightwellii	40	40	60	80	40	80		20
Ebria tripartita								40
Eutreptiella sp.	760	160	480	560	80		20	320
Gonyaulax digitale			100					
Gonyaulax spinifera	20		20					
Guinardia delicatula		300	60		40			
Guinardia flaccida		200		40				
Guinardia striata		40	40					
Gyrodinium aureolum			20					
Gyrodinium spp.	120		60	160	160		60	20
Heterocapsa triquetra			60	80				
Laboea sp.	220	60	180	120	40		40	660
Lemmoxia faveolata	20	80	20					
Leptocylindrus danicus		20						
Leptocylindrus minimus	40	20	80					
Mesodinium rubrum	3140	740	3740	240		120	860	780
Navicula distans	20	40			80		20	40
Navicula transitans var. *derasa* f. *delicatula*	20		60	40				
Pennate diatom	20	60	80	80	40		20	20
Pleurosigma angulatum	40							
Pleurosigma strigosum						80	20	
Polykrikos spp.			40					
Prorocentrum minimum		20	20					
Protoperidinium spp.	20	20	20				20	
Protoperidinium steinii					40			
Pseudo-nitzschia delicatissima group			20					20
Pseudo-nitzschia fraudulenta	20	20						
Pseudo-nitzschia pseudodelicatissima					40			
Pseudo-nitzschia pungens			120					
Pseudo-nitzschia seriata group	20							
Pseudo-nitzschia subpacifica		20					20	
Pseudo-nitzschia turgidula					80			
Rhizosolenia setigera	20						20	
Scrippsiella trochoidea								100
Skeletonema costatum	20		20					
Thalassionema nitzschioides			20					
Thalassiosira gravida				80				
Thalassiosira punctigera	80	60	20				40	40
Thalassiosira sp. (tiny)	20							
Thalassiosira spp.	100	120	60	120			40	20
Tintinnida	1880	3040	2900	3200	1200	280	460	1040

21-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnopsis spp.			20				20	20
Unarmoured dinoflagellate	200	140	240	240	80		60	40
28-Oct-08								
Actinoptychus senarius	340	300	40	240	40	600	20	160
Alexandrium fundyense					80			
Amphidinium sphenoides					40			
Armoured dinoflagellate	80	60	120		40			20
Aulacoseira ambigua		60	20	480			20	20
Aulacoseira granulata					40			
Centric diatom				40	160			
Ceratium lineatum	220	740	240	240	160		20	60
Ceratium spp.	20	80						
Chaetoceros similis		20	20	80				20
Chaetoceros socialis		20						
Chaetoceros spp. (Hyalochaete)		20					20	
Copepoda	80	240	60					20
Corethron hystrix	20			40		40	20	40
Coscinodiscus radiatus				200	40			
Coscinodiscus spp.	40		40			40		40
Coscinodiscus wailesii	20						20	
Cylindrotheca closterium	760	760	620	360	520	200	40	100
Dictyocha speculum	60	20	180	40	160		60	460
Dinophysis acuminata	20	60	20	40				80
Dinophysis fortii	20							
Dinophysis norvegica			20					
Ditylum brightwellii	20	20	60	40		40	20	20
Entomoneis spp.					40	80		
Eutreptiella sp.	620	700	440	200			40	60
Gonyaulax digitale		20						20
Guinardia delicatula		120	60	40	80			
Guinardia flaccida	20	20			40			
Guinardia striata		20	160					
Gyrodinium aureolum			20	40				
Gyrodinium spp.			60	120	40			20
Heterocapsa triquetra		20	20					
Laboea sp.	140	220	400				120	140
Lennoxia faveolata			20					
Leptocylindrus minimus		20						
Mesodinium rubrum	1400	6080	3720	160	160	80	380	2820
Navicula distans	60	40	20	120	80	40		
Navicula transitans var. *derasa*					40			
Odontella sinensis		20			40			
Pennate diatom	20	40	60	80	80	160	20	20
Pleurosigma angulatum	20				40			
Pleurosigma strigosum	40	60				40		
Prorocentrum micans		20	40					
Protoperidinium excentricum		20						
Protoperidinium spp.		40						20
Pseudo-nitzschia delicatissima group		20	20					

28-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pseudodelicatissima		20			40			
Pseudo-nitzschia pungens				40				20
Rhizosolenia setigera	20							
Scrippsiella trochoidea			20					
Skeletonema costatum	20		20					
Stephanopyxis turris				40				
Tabellaria spp.				120				
Thalassionema nitzschioides		20	20					
Thalassiosira baltica	20		20					
Thalassiosira gravida		40			40			
Thalassiosira punctigera	20	220	20			120		20
Thalassiosira spp.		100	60	80	80	80	60	80
Tintinnida	360	500	860	280	520	40	100	820
Tintinnopsis beroidea						40		
Tintinnopsis spp.	20	20					20	20
Unarmoured dinoflagellate		120	60	80	40		20	100
18-Nov-08								
Actinoptychus senarius	320	180		320	80		80	
Alexandrium fundyense				200	80			
Amphidinium carterae								40
Armoured dinoflagellate				120				120
Aulacoseira ambigua			80		40			
Centric diatom					80			
Ceratium lineatum	60		40	80	80			80
Chaetoceros similis			20	80				20
Copepoda								20
Corethron hystrix						40		40
Coscinodiscus spp.		20						40
Cylindrotheca closterium	480	300	720	760	480	440	40	720
Dictyocha speculum			20	80	80		20	120
Dinophysis acuminata			20					
Dinophysis norvegica								20
Ditylum brightwellii	60	80	60		40	40	40	60
Entomoneis spp.						80		
Eutreptiella sp.	40		40	120				80
Grammatophora marina						40		
Guinardia delicatula	40	60	20		120	40		
Guinardia striata			20					
Gyrodinium spp.		20	20					
Gyrosigma fasciola		20				40		
Helicotheca tamesis						40		
Heterocapsa triquetra			20		40			40
Laboea sp.							20	80
Leptocylindrus minimus	20							
Mesodinium rubrum	300	100	320	280	240		240	6960
Navicula distans	100	40			40	40		20
Odontella sinensis		140		40	120			20
Paralia sulcata	20							
Pennate diatom		60			40	160	40	20

18-Nov-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pleurosigma / Gyrosigma		20						
Pleurosigma strigosum				40				
Prorocentrum micans								40
Protoperidinium punctulatum								20
Pseudo-nitzschia delicatissima group			40		40	40		
Pseudo-nitzschia pseudodelicatissima	40							
Pseudo-nitzschia seriata group			20					
Skeletonema costatum							20	20
Stephanopyxis turris				40	40			
Thalassionema nitzschioides	40		20	160	80	120		40
Thalassiosira baltica	20							
Thalassiosira gravida	40	20	20					20
Thalassiosira punctigera	20			40				20
Thalassiosira spp.	80	160	20	160	240	200	40	80
Tintinnida	100		40	160	120		60	660
Tintinnopsis beroidea						40		
Tintinnopsis spp.		20						20
Unarmoured dinoflagellate	100						40	60
15-Dec-08								
Actinoptychus senarius	60	120		80	200	40		
Armoured dinoflagellate				40			20	20
Asterionellopsis glacialis						80		20
Centric diatom	20		60		40	40		80
Ceratium lineatum			20		40			
Chaetoceros spp. (Hyalochaete)			20					20
Copepoda	20				40			
Corethron hystrix		20			40	40		
Coscinodiscus radiatus					80			
Coscinodiscus spp.	20	40						60
Cylindrotheca closterium	280	380	500	720	640	520	380	540
Cylindrotheca gracilis							20	
Dictyocha speculum		20	40					40
Ditylum brightwellii		40			80		20	20
Eutreptiella sp.								20
Grammatophora marina		20						
Guinardia delicatula	20	40	40				20	
Gyrodinium spp.	20				40			40
Gyrosigma tenuissimum			20					
Heterocapsa triquetra							20	
Laboea sp.			40					
Leptocylindrus danicus	20							
Leptocylindrus minimus	40					40		
Mediopyxis helysia		20						
Mesodinium rubrum	120	60	220	160		80	140	20
Navicula distans	20	40		40	40	40	40	20
Odontella sinensis		20						
Paralia sulcata	20	20						
Pennate diatom	60	80	60	40	80	40		40
Pleurosigma / Gyrosigma		60						

15-Dec-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pleurosigma angulatum	20	40		80	40		20	
Pleurosigma strigosum			20			40		
Protoperidinium spp.					40			
Pseudo-nitzschia delicatissima group		20	20					
Pseudo-nitzschia pseudodelicatissima				640				
Pseudo-nitzschia pungens					80			
Pseudo-nitzschia subpacifica				120				
Skeletonema costatum	60	20	20					20
Stephanopyxis turris				40				
Thalassionema nitzschioides	20	20			40		20	60
Thalassiosira gravida	20	60			80			
Thalassiosira spp.	20		20	40		40	60	60
Tintinnida	60	40			40		140	100
Tintinnopsis beroidea					80	80		
Tintinnopsis spp.	20	20						
Unarmoured dinoflagellate				40	80		40	20
13-Jan-09								
Amphidinium carterae					40			
Aulacoseira ambigua								280
Centric diatom			80					80
Ceratium lineatum						40		
Chaetoceros similis							40	
Chaetoceros spp. (Hyalochaete)							80	
Commation cryoporinum					40			
Corethron hystrix	40		40	40		40		
Cylindrotheca closterium	400	40	640	640	520	280	320	960
Dictyocha speculum	40				40		40	
Dinophysis spp.			20					
Ditylum brightwellii	40		80		40		40	
Eucampia zodiacus				40				
Eutreptiella sp.				80				
Guinardia delicatula			20		40			
Guinardia striata								40
Gyrodinium spp.					80			40
Lauderia annulata		40						
Leptocylindrus minimus								40
Mediopyxis helysia	40							
Mesodinium rubrum	200		340		40		1880	400
Navicula distans		40	20			80	40	
Navicula transitans var. *derasa* f. *delicatula*				40		40		
Pennate diatom			140	160	200	80	80	240
Pleurosigma / Gyrosigma			20					
Pleurosigma angulatum	40							
Pleurosigma strigosum	40			40	40		40	
Prorocentrum micans	40							
Pseudo-nitzschia delicatissima			60					
Pseudo-nitzschia delicatissima group	40						40	
Pseudo-nitzschia pungens							40	
Skeletonema costatum		40	20				80	

13-Jan-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassionema nitzschioides			20			80		80
Thalassiosira baltica	40							
Thalassiosira gravida		120	20		160			
Thalassiosira nordenskioeldii							40	40
Thalassiosira punctigera	40							40
Thalassiosira spp.	40	120	20	80	120	80	80	
Tintinnida	40			40	160	80	160	160
Tintinnopsis spp.								120
Unarmoured dinoflagellate							40	
17-Feb-09								
Actinoptychus senarius				120	40	320		
Amphidinium carterae								40
Amphidinium sphenoides					40			
Armoured dinoflagellate	40			80			40	
Asterionellopsis glacialis			40		40			
Centric diatom						40	80	
Chaetoceros spp. (Hyalochaete)	80	40					120	120
Commation cryoporinum				40			40	40
Corethron hystrix			40			40		40
Coscinodiscus radiatus						40		
Cylindrotheca closterium	800	240	1000	1120	1480	920	200	680
Dictyocha speculum	40		80	80	40		40	120
Ditylum brightwellii	40							
Eutreptiella sp.			40	40			40	120
Guinardia delicatula			40	40				
Gyrodinium spp.	40		80	40				
Gyrosigma fasciola						40		
Laboea sp.							40	
Leptocylindrus minimus	40							40
Licmophora spp.							40	
Mediopyxis helysia					40			
Melosira nummuloides					40			
Membraneis challengeri			40					
Mesodinium rubrum	600	200	600	120	560		960	1800
Navicula distans		80		40		40	40	
Navicula transitans var. *derasa* f. *delicatula*			40		160			40
Odontella aurita		40						
Pennate diatom	360	40	360	480	80	360		40
Pleurosigma strigosum	40		40	120	40			
Protoperidinium spp.				40				
Pseudo-nitzschia delicatissima group	40	40	40		40			
Pseudo-nitzschia pungens				40				
Skeletonema costatum		280			40	40		120
Thalassionema nitzschioides	120		40	80				
Thalassiosira baltica				40		40		
Thalassiosira gravida	40	80		40				
Thalassiosira spp.	360	160	80	120	160	80	40	280
Tintinnida	520	80		240		40	360	600
Tintinnopsis beroidea				40				

17-Feb-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Unarmoured dinoflagellate			80	80				40
17-Mar-09								
Actinoptychus senarius			40					
Amphidinium carterae								40
Armoured dinoflagellate				120		40		
Biddulphia alternans			40					
Centric diatom						40		
Chaetoceros filiformis	40							
Chaetoceros similis								40
Chaetoceros spp. (Hyalochaete)	120	40	40		40		160	320
Commation cryoporinum	80	40		120	80		40	80
Corethron hystrix			80		40			
Coscinodiscus radiatus						40		
Coscinodiscus spp.			80			40		
Cylindrotheca closterium	520	720	280	440	880	440	160	640
Dictyocha speculum	120	40			160	40		80
Dinophysis acuminata	40							
Dinophysis norvegica	40							
Ditylum brightwellii		40		40	40	40		
Eutreptiella sp.	120	40	40	40				
Guinardia delicatula	40	120	40		40			40
Gyrodinium spp.	40		40	80	40			160
Gyrosigma fasciola						40		
Leptocylindrus minimus								40
Melosira nummuloides	40							
Mesodinium rubrum	280	200	280	400	80		280	240
Navicula distans		160			40	40		40
Navicula transitans var. *derasa* f. *delicatula*					80	80	40	
Odontella aurita	40	40	40		200			80
Paralia sulcata							40	
Pennate diatom	280	200	160	160	320	520		200
Phaeocystis pouchetii			40					40
Pseudo-nitzschia delicatissima group				40				40
Pseudo-nitzschia pungens						40		
Skeletonema costatum	40	40	40			40	120	
Thalassionema nitzschioides		40			120	80		
Thalassiosira gravida		40			40			
Thalassiosira nordenskioeldii				40				40
Thalassiosira punctigera	40							
Thalassiosira sp. (tiny)							40	
Thalassiosira spp.	240	40	80	240	160		80	640
Tintinnida	40	240	80	880	40		360	240
Unarmoured dinoflagellate		40		160	40			
6-Apr-09								
Alexandrium fundyense	40							
Alexandrium ostenfeldii		40						
Amphidinium carterae	40			40	40			
Amphidinium sphenoides	40							
Armoured dinoflagellate	160		100	200			40	

6-Apr-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Asteroplanus karianus	40							
Aulacoseira ambigua				40				640
Chaetoceros debilis								40
Chaetoceros radicans								160
Chaetoceros similis								80
Chaetoceros socialis								80
Chaetoceros spp. (Hyalochaete)	120	400	120	240	80	40	280	2240
Chaetoceros subtilis								40
Commation cryoporinum				120				
Copepoda				40				
Corethron hystrix			20		40			
Cylindrotheca closterium		520	520	320	280	400	80	80
Cylindrotheca gracilis		40						80
Dictyocha speculum	120		140	120				160
Ditylum brightwellii				40				
Eutreptiella sp.	40	80	40	320	40	40	120	200
Gyrodinium spp.	40	80	100	160	80	40		40
Heterocapsa triquetra			20					
Laboea sp.				80				
Leptocylindrus minimus			40					80
Meridion circulare								40
Mesodinium rubrum	1720	680	500	600		80	720	720
Navicula distans		40						
Navicula transitans var. *derasa* f. *delicatula*	80			40	120	80		
Odontella aurita	40						80	
Odontella obtusa			40					
Pennate diatom		280	80	120	160	40	320	200
Pleurosigma strigosum						120		
Porosira glacialis			20					
Prorocentrum minimum		40	40	40				
Protoperidinium spp.			20					
Pseudo-nitzschia delicatissima group			20	40	40			
Pseudo-nitzschia pseudodelicatissima						40		
Scrippsiella trochoidea			20					
Skeletonema costatum		120	80		40		40	
Thalassiosira gravida			20	40	40			
Thalassiosira nordenskioeldii	40	80					40	200
Thalassiosira punctigera		40						
Thalassiosira sp. (tiny)				40			40	
Thalassiosira spp.	320	240	160	480	520	160	320	1040
Tintinnida	1360	720	240	1160		80	1680	1200
Unarmoured dinoflagellate	160		60	320		80	160	280
5-May-09								
Alexandrium fundyense	96	96	40					
Alexandrium ostenfeldii		192						
Amphidinium sphenoides								722
Armoured dinoflagellate		192	40	289				722
Chaetoceros debilis			120		96		288	
Chaetoceros decipiens				289				

5-May-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros filiformis	480						144	
Chaetoceros furcellatus				867	96	280		
Chaetoceros similis		288	80					1444
Chaetoceros socialis		4224	5120					31046
Chaetoceros spp. (Hyalochaete)	7968	6624	6160	23987	5376	200	20160	124906
Commation cryoporinum		96					144	
Cylindrotheca closterium	576	2016	720	578	768	440	144	3610
Dictyocha speculum		288	120	289				
Eutreptiella sp.	96	96	320	867				4332
Gyrodinium spp.		384	240		192		144	
Gyrosigma fasciola					96			
Gyrosigma littorale	96							
Heterocapsa triquetra		96	120					
Laboea sp.		576	200	289			432	
Lennoxia faveolata	96							
Leptocylindrus minimus	288		40					722
Mediopyxis helysia					96			
Mesodinium rubrum	480	96	1120	289			1584	1444
Navicula distans	96						144	
Navicula transitans var. *derasa* f. *delicatula*	960	96	200	289	576	160		722
Odontella aurita						40		
Paralia sulcata						80		
Pennate diatom	384	1056	280			160		2166
Pleurosigma / Gyrosigma					96			
Pleurosigma strigosum			40			40		
Porosira glacialis	192	480	200				288	
Pseudo-nitzschia delicatissima	576	384						3610
Pseudo-nitzschia delicatissima group			520		96		144	
Scrippsiella trochoidea			40					
Skeletonema costatum	576	1152	400				288	1444
Thalassionema nitzschioides				289				722
Thalassiosira baltica								2166
Thalassiosira bioculata			40					
Thalassiosira gravida	192	384		289	96			
Thalassiosira nordenskioeldii	5376	2976	2480	15028	9648	400	27504	65702
Thalassiosira sp. (tiny)		192		289				722
Thalassiosira spp.	14304	12000	12080	65603	30672	4120	41760	57760
Tintinnida	288	4320	800	578		40	1152	2888
Tintinnopsis beroidea								722
Unarmoured dinoflagellate		384	280				288	2166
12-May-09								
Alexandrium fundyense		120	80					193
Alexandrium fundyense (duplet)		40						
Alexandrium ostenfeldii	288							
Amphidinium sphenoides	288			144	40			
Apedinella radians		40	40					
Armoured dinoflagellate		120	240				193	193
Asterionellopsis glacialis					120			
Attheya longicornis		320						

12-May-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Aulacoseira ambigua						40		
Centric diatom					40			
Ceratium longipes								193
Ceratium tripos		40						
Chaetoceros debilis		80	80		40			193
Chaetoceros decipiens		120						
Chaetoceros filiformis				288		80	1351	
Chaetoceros furcellatus			80	144	40	320	193	579
Chaetoceros similis		40			40			
Chaetoceros socialis	3168	1400	800	288				386
Chaetoceros spp. (Hyalochaete)	9936	2120	1240	3024	1760	40	13317	24318
Chaetoceros teres			40					
Copepoda					40			
Cylindrotheca closterium	1008	560	480	1152	920	600	579	579
Dactyliosolen fragilissimus	144				40			
Dictyocha speculum		40	80	144	40			
Entomoneis spp.						80		
Eutreptiella sp.	144	80	240	864			579	
Guinardia delicatula			40					
Gyrodinium spp.	432	200	160	576		40		193
Heterocapsa triquetra		40	40	144				193
Laboea sp.							193	
Lennoxia faveolata		40						
Leptocylindrus minimus			40	144				
Mediopyxis helysia				144				
Membraneis challengeri					40			
Meridion circulare			40					
Mesodinium rubrum	864	40	80	864	120		193	386
Navicula distans	288	40			80		193	
Navicula transitans var. *derasa* f. *delicatula*	288				160	120		
Odontella aurita								193
Pennate diatom		360	120	720	680	200		
Pleurosigma / Gyrosigma						40		
Pleurosigma strigosum					80			
Porosira glacialis		40	80	144	80		386	
Prorocentrum minimum			40	432				
Protoperidinium oblongum		40						
Protoperidinium spp.		80						386
Pseudo-nitzschia delicatissima						80		
Pseudo-nitzschia delicatissima group	288	120	360	720	120			1544
Ptychocylis spp.			40					
Rhizosolenia hebetata f. *semispina*			40					
Skeletonema costatum	432	440	480	144	80	40		386
Stephanopyxis turris		40						193
Thalassionema nitzschioides		40	40	144	80			
Thalassiosira anguste-lineata				144				193
Thalassiosira gravida		80		576			193	
Thalassiosira nordenskioeldii	14688	2840	2640	28080	2880	440	37249	17563
Thalassiosira punctigera					40			

12-May-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira sp. (tiny)	144				40			
Thalassiosira spp.	31536	10520	8520	57888	20320	8680	37442	11001
Tintinnida	2016	200	120	864	120		7527	579
Unarmoured dinoflagellate	576	80	640	432	120	80	965	2509
19-May-09								
Acanthostomella norvegica		144						
Alexandrium fundyense	867	288	288	289			96	280
Amphidinium sphenoides			144	578	80	40		
Amylax triacantha			288					
Apedinella radians	578							
Armoured dinoflagellate	2023	864	1296		40			40
Asterionellopsis glacialis	289			289	40	80		
Attheya longicornis	1156		288					
Chaetoceros contortus	289	432	576				288	
Chaetoceros debilis	867						288	
Chaetoceros filiformis	867						192	
Chaetoceros furcellatus					240	40	192	
Chaetoceros similis							96	120
Chaetoceros socialis	289	5472	4464		160		288	
Chaetoceros spp. (Hyalochaete)	2312	1152	720	3179	600	240	9600	640
Chaetoceros teres		144						
Coscinodiscus spp.		144						
Cylindrotheca closterium	867	288	2016	5202	880	400	1152	520
Dictyocha speculum	289	144	288					
Ditylum brightwellii					40			
Entomoneis spp.						120		
Eutreptiella sp.							480	160
Gyrodinium spp.	867	1584	1296	289	40		288	80
Heterocapsa triquetra	578	144	144					40
Laboea sp.	289		864					200
Leptocylindrus minimus			144				96	240
Mediopyxis helysia						80		
Melosira nummuloides						40		
Meringosphaera mediterranea							96	
Mesodinium rubrum	1445	1008	2016			40	1728	200
Navicula distans			144		40			
Navicula transitans var. *derasa* f. *delicatula*				289	160	80		
Pennate diatom	578		144	1156	40	120	192	40
Porosira glacialis	289	144	288				384	
Prorocentrum minimum		864	144					40
Protoperidinium steinii			288					
Pseudo-nitzschia delicatissima	2890					120		1600
Pseudo-nitzschia delicatissima group		1872	432	578	160			
Scrippsiella trochoidea	289						192	880
Skeletonema costatum	578	1728	720	2023	160		96	40
Strobilididae					40			
Thalassionema nitzschioides	289	144		289				
Thalassiosira anguste-lineata				289				
Thalassiosira gravida			288	289		40	96	160

19-May-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira nordenskioeldii	98260	11520	15264	62713	11160	1400	33024	1520
Thalassiosira sp. (tiny)					160			
Thalassiosira spp.	35547	11808	16128	137275	14280	7680	2112	400
Tintinnida	19363	6912	5616	289	200	40	3264	1640
Tintinnopsis beroidea						40		
Unarmoured dinoflagellate	2890	2304	1584	1734	160		768	640
26-May-09								
Amphidinium carterae								144
Amphidinium sphenoides		386	288	1156	578	96	144	1152
Apedinella radians		193		289				
Armoured dinoflagellate	289	193	432	867		96		144
Asterionellopsis glacialis	289	193	144			96		
Attheya longicornis				289			432	
Calliacantha sp.		386						432
Centric diatom	289							
Chaetoceros contortus				289				
Chaetoceros debilis	289	193		289	578		432	
Chaetoceros decipiens		193	288	578	578			
Chaetoceros diadema							288	144
Chaetoceros filiformis	289					96		
Chaetoceros furcellatus			288		578	864	1584	1728
Chaetoceros radicans							288	
Chaetoceros similis		193	288				144	
Chaetoceros simplex				289				
Chaetoceros socialis	578		1440	289			288	
Chaetoceros spp. (Hyalochaete)	4046	3088	2880	4624	5491	384	5040	16560
Chaetoceros subtilis			432					
Chaetoceros teres								144
Cylindrotheca closterium	1734	2895	3024	2023	289	480	576	432
Dactyliosolen fragilissimus			144					
Eutreptiella sp.		193	288		289		288	1008
Guinardia delicatula		579	144	289				
Gyrodinium spp.			288	1156		192	288	432
Laboea sp.				1156				
Leptocylindrus danicus	289							
Leptocylindrus minimus		965	1008	289			432	576
Licmophora spp.	289							
Mediopyxis helysia			144		289			144
Mesodinium rubrum	867	1158	144	1445	289	288	1440	1008
Navicula distans			144				144	
Navicula transitans var. *derasa* f. *delicatula*	289					96		
Odontella spp.				289				
Pennate diatom	289		288	8092		480		
Porosira glacialis		193	1008		867		288	576
Prorocentrum micans				578				
Prorocentrum minimum	578	193	144		289			
Protoperidinium spp.		386			289			
Pseudo-nitzschia delicatissima	2023	8106		6936				8928
Pseudo-nitzschia delicatissima group			6768		3179	192	432	

26-May-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ptychocylis spp.			144		289			
Scrippsiella trochoidea				289				
Skeletonema costatum	289		1152	1156	289	288	144	
Thalassionema nitzschioides	289		432		289	96		144
Thalassiosira anguste-lineata	289							
Thalassiosira gravida			864				144	
Thalassiosira nordenskioeldii	108375	17563	43350	276284	168776	15360	46800	12240
Thalassiosira spp.	16184	7720	13294	44506	36992	17472	5472	4176
Tintinnida	2023	2123	1728	2312	1156	384	720	576
Unarmoured dinoflagellate	289		576	867	578		432	576
2-Jun-09								
Acanthostomella norvegica			40					
Alexandrium fundyense	386	560	120			40		80
Alexandrium fundyense (duplet)	193							
Alexandrium ostenfeldii	193							
Amphidinium carterae					144			
Amphidinium sphenoides	579	160	320	576	720	800	2592	680
Amylax triacantha		40						
Apedinella radians		120	80					40
Armoured dinoflagellate	965	840	360	576			288	880
Asterionellopsis glacialis	386	160			144			
Asteroplanus karianus					144			
Attheya longicornis			440					800
Aulacoseira ambigua	193							
Brachionus spp.	193		80				144	
Calliacantha sp.								40
Ceratium longipes		40						
Chaetoceros borealis					144			
Chaetoceros contortus			160					200
Chaetoceros convolutus f. *trisetosa*		520	80					40
Chaetoceros debilis	579	40	880	1152		120	1728	800
Chaetoceros decipiens		160	120				144	
Chaetoceros diadema				432	144	160		
Chaetoceros filiformis						40		
Chaetoceros furcellatus			680	1728	1008	360	576	520
Chaetoceros laciniosus								40
Chaetoceros pseudocrinitus			40					
Chaetoceros radicans			40					
Chaetoceros similis	193	40		144	144		144	
Chaetoceros simplex		120	120					
Chaetoceros socialis			320					
Chaetoceros spp. (Hyalochaete)	1930	360	1200	1872	1584	520	576	5360
Chaetoceros subtilis		120						
Chaetoceros teres							288	80
Commation cryoporinum			80	288	144	80		40
Corethron hystrix		40						
Coscinodiscus concinnus		40						
Coscinodiscus spp.				144				
Cylindrotheca closterium	6176	1440	2200	3312	3024	880	720	440

2-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dactyliosolen fragilissimus		80	80					40
Dictyocha speculum		120	40					40
Dinophysis acuminata				288				
Dinophysis norvegica	386	80						80
Entomoneis spp.					144	40		
Eucampia zodiacus		40			144			40
Eutreptiella sp.	386	40	360	432			432	720
Guinardia delicatula		40	40					
Gyrodinium spp.	386	1360	320	576	432	40	1872	240
Heterocapsa triquetra	193	80						
Laboea sp.	965		1000				144	200
Leptocylindrus danicus		80	40					40
Leptocylindrus minimus	965	600	640	576	576	40	432	1400
Licmophora spp.		40			144			
Mediopyxis helysia	193			144				
Mesodinium rubrum	15247	1840	5080	144			12672	1520
Navicula distans								40
Navicula transitans var. *derasa* f. *delicatula*				144		80	144	
Pennate diatom	386	520	160	432	432	120		200
Polykrikos spp.								40
Porosira glacialis		40	200		144	80		80
Preperidinium meuneri		40	40					
Prorocentrum minimum		80	40					
Protoperidinium denticulatum		40						120
Protoperidinium spp.		160						80
Protoperidinium steinii	193							
Pseudo-nitzschia delicatissima	9843		4360		3024	400		13480
Pseudo-nitzschia delicatissima group		6960		2592			2592	
Ptychocylis spp.	193							
Scrippsiella trochoidea		120	40					
Skeletonema costatum	1158	680	680	1008	1008	200		
Thalassionema nitzschioides		40	160	144				
Thalassiosira anguste-lineata	193	40	40			40		
Thalassiosira bioculata		40	80				144	
Thalassiosira gravida			40	288	432	160		200
Thalassiosira nordenskioeldii	45355	3320	4280	38148	37152	7960	6336	640
Thalassiosira punctigera				144		40		
Thalassiosira sp. (tiny)				576				
Thalassiosira spp.	12159	4920	6280	39304	30096	16360	2880	720
Tintinnida	9843	2400	5640	864	720	200	22896	1160
Unarmoured dinoflagellate	965	1680	520	864	288	40	2736	640
9-Jun-09								
Alexandrium fundyense	288	576				144		1445
Amphidinium sphenoides	576	432	240	578	1440	2160	864	1734
Apedinella radians	1584	1152	200					1156
Armoured dinoflagellate	432	432	240	289	288	144	144	1445
Asterionellopsis glacialis	288	576			432	288		
Attheya longicornis	2592	2448	720					2023
Centric diatom							144	

9-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros contortus	144	432	80	289	144		432	3179
Chaetoceros convolutus		144						
Chaetoceros convolutus f. *trisetosa*	1152	432	1320					289
Chaetoceros debilis	1152	1008	640	3468	1008	144	4320	7514
Chaetoceros decipiens	1152	1008	480	289	864	144		
Chaetoceros diadema	144			578	288	432		
Chaetoceros filiformis				289				
Chaetoceros furcellatus				1156		144		
Chaetoceros laciniosus	288	288						289
Chaetoceros radicans						144		289
Chaetoceros similis	144						1008	
Chaetoceros simplex	432	288	240					
Chaetoceros spp. (Hyalochaete)	1296	3168	1560	3468	1440	1728	1008	6647
Chaetoceros subtilis			40					
Chaetoceros teres		144	80				432	2023
Commation cryoporinum	144		200					
Corethron hystrix			80					
Cylindrotheca closterium	6624	4032	4200	7225	12240	5904	864	4046
Dactyliosolen fragilissimus	144	576	480	289				
Dictyocha speculum		432	40					289
Entomoneis spp.					576	864		
Eucampia zodiacus	432	288	80	1734				
Eutreptiella sp.	288	144			144	144	864	2312
Guinardia delicatula	288	144	40		144			
Gyrodinium spp.	288	576	40	289	720		288	867
Laboea sp.	288	144						
Lennoxia faveolata	144						144	
Leptocylindrus danicus	288	144					1152	1156
Leptocylindrus minimus	1584	1440	720	1445	1584	288	5184	19363
Licmophora spp.			40					
Mediopyxis helysia						288		
Membraneis challengeri		144						
Mesodinium rubrum	2880	432	800	1734	144		2592	8959
Navicula distans						144		
Navicula transitans var. *derasa*						144		
Navicula transitans var. *derasa* f. *delicatula*					144			
Pennate diatom	288		280	1156	432	144	144	
Porosira glacialis		144	80		288	144	144	
Preperidinium meuneri	144							
Prorocentrum minimum	432	1440	280		144	288		
Prorocentrum sp. (small)	144							289
Protoperidinium bipes								289
Protoperidinium spp.	144		40					
Pseudo-nitzschia delicatissima	32688	53754	20920	14739	18576	10800	34992	205768
Scrippsiella trochoidea	288							
Skeletonema costatum	144		240	289	1584			
Stephanopyxis turris			40					
Thalassionema nitzschioides		144	200		576			
Thalassiosira anguste-lineata	432	576	80		288	288	144	578

9-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira baltica					144			
Thalassiosira bioculata		144					144	
Thalassiosira gravida		144	360		288			
Thalassiosira nordenskioeldii	4608	3888	1720	23698	20160	17568		578
Thalassiosira punctigera					144			
Thalassiosira sp. (tiny)			80	289	576	432		
Thalassiosira spp.	5040	1728	5040	40749	33524	15552	720	1445
Tintinnida	4896	4032	480	1734		720	3024	5202
Unarmoured dinoflagellate	1728	1440	400	1445	1296	288		4335
16-Jun-09								
Alexandrium fundyense	50286	3024	29767	2890			288	3757
Alexandrium fundyense (duplet)	4046		867	289				578
Alexandrium fundyense (triplet)	289							
Amphidinium sphenoides	289	144		578	400	2080	1152	
Apedinella radians	19363	12096	32946	1156	40		288	2890
Armoured dinoflagellate	25143	10224	17918	2023	280	120	1008	3757
Asterionellopsis glacialis				289	80	200		
Attheya spp.							288	
Aulacoseira ambigua						40	144	
Brachionus spp.		144						289
Calliacantha sp.							144	
Ceratium fusus		144						
Ceratium horridum	289	1008	289					
Ceratium longipes		720	578					
Chaetoceros contortus				867	160	160	432	578
Chaetoceros convolutus		1296						
Chaetoceros convolutus f. *trisetosa*	1445		578				144	289
Chaetoceros debilis	1156			1734	880	280	1728	289
Chaetoceros decipiens						80	144	
Chaetoceros diadema					160	40		
Chaetoceros filiformis				289		40		
Chaetoceros furcellatus					80	40		
Chaetoceros laciniosus			289	867				
Chaetoceros similis							576	
Chaetoceros simplex	578	432	289					
Chaetoceros spp. (Hyalochaete)	1445	144	867	4913	2440	1360	1296	7225
Chaetoceros spp. (Phaeoceros)					80			
Chaetoceros subtilis		144						
Chaetoceros teres							144	
Commation cryoporinum					40		144	
Coscinodiscus radiatus					80			
Coscinodiscus spp.	289							
Cylindrotheca closterium	5780	4752	4335	17918	7400	2440	4176	578
Dactyliosolen fragilissimus	289			578		40	144	
Dictyocha speculum	1445	1872	6647	289				289
Dinobryon spp.							144	
Dinophysis acuminata	578		289	867				578
Dinophysis norvegica		144	289					289
Ebria tripartita		144						289

16-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Entomoneis spp.				2023	480	280		
Eucampia groenlandica	289							
Eucampia zodiacus					40			
Eutreptiella sp.	47974	5328	2023	289	40		864	1445
Gonyaulax digitale		144						
Guinardia delicatula	289	144	289	289	120	40		
Gyrodinium spp.	289		2890		120	400	720	3757
Heterocapsa triquetra	4913	4464	31212	289				3757
Laboea sp.			578				144	289
Leptocylindrus danicus					200		2160	867
Leptocylindrus minimus	1445	144		2312	880	240	22608	39882
Mediopyxis helysia						360		
Membraneis challengeri					40			
Mesodinium rubrum	32079	1872	5202	6069	40	400	2016	33524
Micracanthodinium claytonii		144						
Navicula distans					40			
Navicula transitans var. *derasa*				578				
Navicula transitans var. *derasa* f. *delicatula*				289	80	80		
Pennate diatom	2023	1296	1156	1734	440	120	144	
Porosira glacialis	289					80	144	
Preperidinium meuneri			867					
Prorocentrum minimum	11271	6192	6936	867	280		288	4335
Prorocentrum sp. (small)		288						
Protoperidinium bipes			289					
Protoperidinium brevipes	289							
Protoperidinium denticulatum				578				
Protoperidinium depressum	289							
Protoperidinium ovatum		576						
Protoperidinium spp.					80	40	144	
Protoperidinium steinii	867	288					288	578
Pseudo-nitzschia delicatissima						4360	164730	168776
Pseudo-nitzschia delicatissima group	12427	9936	9248	22542	11040			
Scrippsiella sp.	4046	1296	1445					
Scrippsiella trochoidea	2023	1296	4624					2023
Skeletonema costatum				289	120	40		
Stephanopyxis turris				289				
Thalassionema nitzschioides				289	40	120		
Thalassiosira anguste-lineata				3179	520			
Thalassiosira bioculata							432	
Thalassiosira gravida					160			
Thalassiosira nordenskioeldii			578	24276	2080	1160		
Thalassiosira sp. (tiny)						80		
Thalassiosira spp.	3757	864	1156	33235	10520	4160	288	
Tintinnida	1734	3168	3468	289	120	160	3744	8670
Tintinnopsis beroidea				578	240			
Unarmoured dinoflagellate	289	1440	3179	289	200	320	576	4046
23-Jun-09								
Alexandrium fundyense	19363		57800				5616	14089
Alexandrium fundyense (duplet)	2312		2601				432	2316

23-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Alexandrium fundyense (quadruplet)	289						144	
Alexandrium fundyense (triplet)							144	
Amphidinium sphenoides								772
Apedinella radians			1445					
Armoured dinoflagellate	5780		18207				720	3860
Brachionus spp.	289		867				144	386
Calliacantha sp.	289							
Ceratium horridum								386
Chaetoceros contortus	289		289				144	
Chaetoceros convolutus f. *trisetosa*	578		867				288	386
Chaetoceros debilis							1440	579
Chaetoceros similis	289							
Chaetoceros simplex			289				144	
Chaetoceros spp. (Hyalochaete)	867		1156				1440	965
Copepoda			578					
Cylindrotheca closterium	21386		21097				7056	13317
Dictyocha speculum			289				144	
Dinobryon spp.							144	193
Dinophysis acuminata	578		2890					579
Dinophysis norvegica	289		867					193
Dinophysis pulchella			578					
Ebria tripartita							288	386
Eutreptiella sp.	16473		16762				144	2702
Guinardia delicatula	289							193
Gyrodinium spp.	578							193
Heterocapsa triquetra	11271		32657				576	6948
Laboea sp.	289		289				144	
Leptocylindrus danicus							2304	772
Leptocylindrus minimus	2890		1156				33408	21230
Licmophora spp.							144	
Mesodinium rubrum	46529		55777				4464	20844
Navicula distans							144	
Parafavella spp.			289					
Pennate diatom			289				432	386
Prorocentrum minimum	2312		2890				144	965
Protoperidinium bipes								193
Protoperidinium brevipes			289					
Protoperidinium ovatum	867							
Protoperidinium spp.								386
Protoperidinium steinii	289		289					
Pseudo-nitzschia delicatissima			4624					
Pseudo-nitzschia delicatissima group	5780						22752	11387
Ptychocylis spp.								193
Scrippsiella sp.	2890		4913				432	1930
Scrippsiella trochoidea	2601		5202				288	386
Skeletonema costatum	289		578				144	193
Thalassiosira anguste-lineata	289						288	
Thalassiosira sp. (tiny)			578					
Thalassiosira spp.	20230		13294				432	6176

23-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	2601		2312				1008	386
Tintinnopsis beroidea							144	193
Unarmoured dinoflagellate	2312		4046				720	1544
25-Jun-09								
Alexandrium fundyense		105774						
Alexandrium fundyense (duplet)		12138						
Alexandrium fundyense (planozygote)		8670						
Alexandrium fundyense (quadruplet)		2890						
Alexandrium fundyense (triplet)		1734						
Armoured dinoflagellate		15028						
Ceratium longipes		578						
Cylindrotheca closterium		4624						
Dictyocha speculum		578						
Dinophysis acuminata		578						
Dinophysis norvegica		578						
Eutreptiella sp.		12138						
Heterocapsa triquetra		195942						
Laboea sp.		578						
Leptocylindrus minimus		1156						
Prorocentrum minimum		1156						
Protoperidinium ovatum		3468						
Protoperidinium steinii		2312						
Pseudo-nitzschia delicatissima group		578						
Scrippsiella trochoidea		22542						
Skeletonema costatum		1734						
Thalassiosira spp.		1734						
Tintinnida		2890						
Unarmoured dinoflagellate		2890						
30-Jun-09								
Alexandrium fundyense	182648	2280	45951	1248	920	40	279174	25432
Alexandrium fundyense (duplet)	17918	40	5202	96	120		8092	1156
Alexandrium fundyense (planozygote)	8670	320	578				42194	4046
Alexandrium fundyense (quadruplet)	578						2312	
Alexandrium fundyense (triplet)	578						1156	
Amphidinium sphenoides				96				
Amylax triacantha	1156	40					578	
Apedinella radians		40					2312	1156
Armoured dinoflagellate	6358	480	5202	480	120	40	8670	8670
Asterionellopsis glacialis					40	80		
Aulacoseira ambigua					40			
Brachionus spp.							578	1156
Calliacantha sp.		40			40			578
Ceratium lineatum		40						
Ceratium longipes	1734	120		96	40			
Ceratium tripos		40						
Chaetoceros contortus				192				
Chaetoceros convolutus f. *trisetosa*	578	40		480	200			
Chaetoceros debilis		40						578
Chaetoceros similis		40						

30-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros simplex			578					
Chaetoceros spp. (Hyalochaete)		80		1056	40			
Coscinodiscus spp.				96	160	40		
Cylindrotheca closterium	20230	11760	14161	28224	13280	3360	1156	9248
Dactyliosolen fragilissimus		40	289		40			
Dictyocha speculum		40	289	384	40		578	
Dinobryon spp.	578	40					3468	45662
Dinophysis acuminata		400	867	96	40			3468
Dinophysis fortii	578				40			578
Dinophysis norvegica		200	867	480	40			578
Dinophysis pulchella	578							
Ditylum brightwellii		40						
Ebria tripartita	1156	80	1156	96	120			578
Eutintinnus sp.								1156
Eutreptiella sp.	9248	240	1445	192	80		1734	5202
Guinardia delicatula		80			120			
Gyrodinium spp.		40			40			
Heterocapsa triquetra	63580	2280	22253	864	280		116756	208658
Laboea sp.		40						
Lennoxia faveolata								1156
Leptocylindrus danicus					40			
Leptocylindrus minimus	1156	960		384	200	120	578	1156
Mediopyxis helysia					80			
Melosira nummuloides						80		
Membraneis challengeri			289		40			
Meringosphaera mediterranea				96				
Mesodinium rubrum	22542	1600	4046	192	480	80	20230	41616
Navicula distans		40				80		
Paralia sulcata					40			
Pennate diatom			1734	672	160			
Polykrikos spp.								578
Prorocentrum minimum	1156		289	480	40			1734
Protoperidinium bipes								578
Protoperidinium brevipes	1156	40						
Protoperidinium depressum				96				
Protoperidinium spp.		40			40			
Protoperidinium steinii					40			
Pseudo-nitzschia delicatissima group	578	680	2890	2112	640	400	1156	578
Ptychocylis spp.				192				578
Salpingella spp.					40			
Scrippsiella sp.	1156						578	1156
Scrippsiella trochoidea	6358	320	5780		120		29478	19074
Skeletonema costatum		320	867	864	400	80		578
Thalassionema nitzschioides		40			120	40		
Thalassiosira anguste-lineata		120		384				
Thalassiosira baltica		40						
Thalassiosira punctigera		40						
Thalassiosira spp.	5780	5440	2890	1440	1560	120		1156
Tintinnida	578	680	1156	480	200		1156	7514

30-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnopsis beroidea	578	240		1536	80	40		
Unarmoured dinoflagellate	1156	560	867	576	480		1156	
7-Jul-09								
Alexandrium fundyense	84099	90746	17856	17080	200		1240	9248
Alexandrium fundyense (cyst)				40				
Alexandrium fundyense (duplet)	5491	5491	288	1240			80	1156
Alexandrium fundyense (planozygote)	7803	4913	864	1160				
Alexandrium fundyense (quadruplet)	289	1445	144		120			
Alexandrium fundyense (triplet)	2023	867		80			20	
Amphidinium sphenoides			144	80	200	120		
Amylax triacantha		289						
Apedinella radians	289	4913	1296	3120				
Armoured dinoflagellate	578	3468	720	1240	80		200	2312
Asterionellopsis glacialis					40	80		
Brachionus spp.		289		40			40	
Calliacantha sp.		289						
Ceratium horridum	289							
Ceratium longipes		289	144	280				
Chaetoceros convolutus f. *trisetosa*	578	578	1152				80	
Chaetoceros debilis								1156
Chaetoceros decipiens				40				
Chaetoceros filiformis							280	21964
Chaetoceros furcellatus						40		
Chaetoceros similis				360			680	387260
Chaetoceros simplex		578	864					
Chaetoceros socialis				40				
Chaetoceros spp. (Hyalochaete)				80	40	40		
Chaetoceros spp. (Phaeoceros)				40				
Chaetoceros subtilis							40	
Chrysochromulina parkeae		578						2312
Commation cryoporinum					80	40		
Copepoda				80				
Corethron hystrix			144					
Coscinodiscus radiatus						40		
Cylindrotheca closterium	2312	2023	1872	800	6440	4280	1320	8092
Dactyliosolen fragilissimus			288				280	28900
Dictyocha speculum	867	2023	864	400	80			
Dinobryon spp.		578	1152	520			200	2312
Dinophysis acuminata	2890	2023	2160	640			80	3468
Dinophysis dens			144					
Dinophysis norvegica	578	289	576	240				6936
Ebria tripartita		289	288	40	80			
Entomoneis spp.					1280	520		
Eucampia zodiacus								1156
Eutintinnus sp.		289		120			120	2312
Eutreptiella sp.	867	2312	1152	1040	40		1080	2312
Favella spp.	289	1445	144	280			760	4624
Guinardia delicatula						120		3468
Gyrodinium spp.	2023	1734	432	440			40	

7-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Helicostomella spp.	867	578	144				40	1156
Heterocapsa triquetra	15895	10982	5040	3000	80		2720	3468
Laboea sp.	578	867	144	360				2312
Lennoxia faveolata								4624
Leptocylindrus danicus							80	
Leptocylindrus minimus		1156	288	120	80		400	12716
Membraneis challengeri			288	160				
Mesodinium rubrum	13583	4046	3600	1560	40	280	2320	26588
Navicula distans					80	40		
Navicula transitans var. *derasa*					120			
Navicula transitans var. *derasa* f. *delicatula*							40	
Notholca spp.							40	
Parafavella spp.				40				
Pennate diatom		289	432	120	160	200		
Polykrikos spp.	289	1445	144	240			2040	5780
Prorocentrum minimum		289	576	200	40			
Protoperidinium brevipes	289		144	40				
Protoperidinium conicum				40				
Protoperidinium depressum			144					
Protoperidinium ovatum		289	144					
Pseudo-nitzschia delicatissima group	867	2890	2016	560	720	320	360	28900
Pseudo-nitzschia seriata group								1156
Ptychocylis spp.	289			120				
Salpingella spp.					40			
Scrippsiella sp.		867	144	160			320	
Scrippsiella trochoidea	6647	4335	720	960			240	1156
Skeletonema costatum							3120	761804
Thalassionema nitzschioides							40	
Thalassiosira anguste-lineata				160	40	40		2312
Thalassiosira baltica				40	40			
Thalassiosira sp. (tiny)				160				5780
Thalassiosira spp.	578	578	720	640	640	480	560	
Tintinnida	16184	13294	4320	6080	560	400	1640	28900
Tintinnopsis beroidea	578	1156	144	160	320		40	
Unarmoured dinoflagellate	13005	19074	8640	3440	120	40	880	11560
14-Jul-09								
Alexandrium fundyense	288	640	680	2880			6358	
Alexandrium fundyense (duplet)		80	40	240			1156	
Alexandrium fundyense (planozygote)		40						
Alexandrium fundyense (quadruplet)				80			578	
Amphidinium carterae				40				
Amphidinium sphenoides				160				
Apedinella radians	1008	120	2520	680	40		1734	
Armoured dinoflagellate	864	80	320	320	200		578	5780
Brachionus spp.	144							
Calliacantha sp.			120					
Ceratium lineatum				40				
Ceratium longipes			40	40				
Chaetoceros contortus				40			578	

14-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros convolutus / concavicornis		40						
Chaetoceros convolutus f. *trisetosa*	1008	1400	2560					5780
Chaetoceros danicus					40			
Chaetoceros debilis	144	120					1156	
Chaetoceros filiformis	144						3468	
Chaetoceros laciniosus		40						
Chaetoceros similis	2160	680	1240	80	280	80	48552	791825
Chaetoceros socialis		320	1840	960				
Chaetoceros spp. (Hyalochaete)		320	360	120		40	1156	17340
Chaetoceros spp. (Phaeoceros)					40			
Chrysochromulina parkeae	288	120	400				1734	2890
Commation cryoporinum		40		40	160	40		
Corethron hystrix				40				
Coscinodiscus concinnus				40				
Coscinodiscus spp.		40	120	40				
Coscinodiscus wailesii			40		40			
Cylindrotheca closterium	1152	720	1120	320	2640	640	4046	11560
Dactyliosolen fragilissimus	432	400	80		200		1734	161840
Dictyocha speculum	1152	1480	2720	1360				5780
Dinobryon spp.	2016	2040	2080	920				
Dinophysis acuminata	1296	120	80	1080	40		578	
Dinophysis dens				40				
Dinophysis norvegica	144	80	80	280				
Dinophysis spp.				80				
Ebria tripartita		40	40					
Entomoneis spp.				280	1160	120		
Eutintinnus sp.	144	120	40					
Eutreptiella sp.	1008		440	840			5780	
Favella spp.	720		40	40				
Gonyaulax digitale			40					
Guinardia delicatula				80		160		
Gyrodinium spp.	720	80	200	120	40		578	2890
Helicostomella spp.	144	40		120				
Heterocapsa triquetra		80	200	80			49708	2890
Laboea sp.	720		40	480				
Lennoxia faveolata			200				578	2890
Leptocylindrus minimus	432	360	240	480	80	40	5780	23120
Membraneis challengeri	144	120	40	280	40			
Mesodinium rubrum	18720	2280	2440	1200		80	5202	66470
Navicula distans		40		80	80			
Navicula transitans var. *derasa*				40				
Pennate diatom	432	80	280		160			
Polykrikos spp.	864	120	80	120				
Prorocentrum minimum	720	480	320	480			578	2890
Protoperidinium bipes			40					
Protoperidinium brevipes		40		80				
Protoperidinium ovatum		40						
Protoperidinium spp.		40	40	40	80			
Pseudo-nitzschia delicatissima					520		10404	

14-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima group	432	1480	2040	2880		80		257210
Pseudo-nitzschia fraudulenta			40					
Pseudo-nitzschia seriata				160				
Pseudo-nitzschia seriata group			80	40				
Scrippsiella sp.							1156	
Scrippsiella trochoidea	144	40		200			2312	
Skeletonema costatum	144					120	349112	3692405
Thalassiosira anguste-lineata		440	920	880	80			
Thalassiosira baltica				40				
Thalassiosira bioculata		40	200					
Thalassiosira sp. (tiny)			200		40		1156	2890
Thalassiosira spp.		80	320	880	240		578	
Tintinnida	28800	4080	1920	12680	400	40	6358	20230
Tintinnopsis beroidea	864			1000	40			
Tintinnopsis spp.					40			
Unarmoured dinoflagellate	6192	1200	1200	2680	400	40	578	40460
21-Jul-09								
Alexandrium fundyense	578	578	578				1156	2890
Amphidinium carterae		578						
Amphidinium sphenoides						80		
Apedinella radians	1156	2312	2312	1156	40			1156
Armoured dinoflagellate	2890	45084	1156	578		40	4624	4046
Asterionellopsis glacialis					40			
Aulacoseira ambigua								1156
Centric diatom					80			
Cerataulina pelagica	578	1734		2312	40			578
Ceratium lineatum			578					
Chaetoceros contortus		578	4046					2312
Chaetoceros convolutus / concavicornis	578			578				578
Chaetoceros convolutus f. *trisetosa*	6358	11560	10982					578
Chaetoceros danicus					120			
Chaetoceros debilis	1156	2312	1734	6936	160	120		5780
Chaetoceros decipiens	1156							
Chaetoceros didymus			578		40			
Chaetoceros filiformis	6936			2312		240	578	2312
Chaetoceros laciniosus	578		1156	578				
Chaetoceros pseudobrevis					40			
Chaetoceros radicans					40			
Chaetoceros similis	10982	5202	8670	578	3600	560	20230	275128
Chaetoceros simplex				578				
Chaetoceros socialis	93636	39882	150858	102884	760	80	578	578
Chaetoceros spp. (Hyalochaete)	3468	2890	7514	22542	1600	480	1734	4046
Chaetoceros spp. (Phaeoceros)				578	160			
Chrysochromulina parkeae	578		6358					1156
Commation cryoporinum	578	578			120	40		
Copepoda					40			
Corethron hystrix		578						
Cylindrotheca closterium	3468		1156	1734	1560	680	3468	1156
Dactyliosolen fragilissimus	14450	27166	43928	38726	1920	720	2312	32368

21-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dictyocha speculum		1734	578	578				1734
Dinobryon spp.	2890	3468			40			
Dinophysis acuminata				1156	40			578
Dinophysis norvegica				578	40			578
Dinophysis pulchella								578
Entomoneis spp.					1000	520		
Eucampia zodiacus					80			
Eutintinnus sp.		578					578	
Eutreptiella sp.	578	578		1156			2890	6358
Favella spp.		578						
Guinardia delicatula	3468	2890	5780	6936	440	80		4624
Gyrodinium spp.	1734	578	1156	1156		40		5780
Heterocapsa triquetra			2890				25432	9826
Laboea sp.							1156	
Lennoxia faveolata								1156
Leptocylindrus danicus								1156
Leptocylindrus minimus	8670	12138	9248	12138	560	200	3468	1734
Licmophora spp.			578					
Mediopyxis helysia					40			
Melosira nummuloides						40		
Membraneis challengeri			578		40	40		
Mesodinium rubrum	5780	578	5780		40		6358	15028
Micracanthodinium claytonii					40			
Navicula distans								578
Navicula transitans var. *derasa*						40		
Pennate diatom		1734	1156	5780	160	120		
Polykrikos spp.	578		578	578				2312
Prorocentrum minimum	578	578	1734	1156	80			578
Protoperidinium bipes			1156					2312
Pseudo-nitzschia delicatissima	70516	83232	124848	217906			11560	275128
Pseudo-nitzschia fraudulenta	578							
Pseudo-nitzschia pseudodelicatissima	578	2312	2312	2890	12080	2880		9248
Pseudo-nitzschia seriata	578		1156	8092	40			
Pseudo-nitzschia seriata group	1734	1156	1734	8670	200			578
Pseudo-nitzschia subpacifica				578				
Scrippsiella sp.	578	2890						
Scrippsiella trochoidea	578	1734						2312
Skeletonema costatum			6936	3468	640	200	202878	2312
Thalassionema nitzschioides					40	40		
Thalassiosira anguste-lineata	8092	2890	2312	60690	1200	480		1734
Thalassiosira bioculata	1156	2312	5202			40		
Thalassiosira bioculata var. *exigua*				578	160			
Thalassiosira conferta	1734							5780
Thalassiosira gravida						40		
Thalassiosira sp. (tiny)				578			2312	1734
Thalassiosira spp.	5780	1156	4624	9826	1320	440	2890	1156
Tintinnida	3468	12138	8092	7514	480	200	2312	12138
Tintinnopsis beroidea						40		
Tintinnopsis campanula								1156

21-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnopsis spp.				578			578	
Unarmoured dinoflagellate	4624	4624	8670	1734	360		2312	20230
28-Jul-09								
Alexandrium fundyense							200	
Amphidinium sphenoides					289	144	40	
Apedinella radians				289	289			1156
Armoured dinoflagellate	4046	1156	1156	289		288	1080	5202
Asterionellopsis glacialis				578				
Cerataulina pelagica	1156	289		289	578		280	867
Ceratium lineatum		578	578					
Chaetoceros constrictus				289				
Chaetoceros contortus	1734		3468	867		576		289
Chaetoceros convolutus				289				
Chaetoceros convolutus f. *trisetosa*	4624	4335	867				40	
Chaetoceros debilis	3468		1156	867			240	1734
Chaetoceros didymus	4624	578	2312	1734	1156	576		
Chaetoceros filiformis	2312	1445	289				80	
Chaetoceros laciniosus	578							1445
Chaetoceros lorenzianus			289					
Chaetoceros similis		578		578		576	280	289
Chaetoceros socialis	288422	82365	182648	128316	73695	41328	240	14450
Chaetoceros spp. (Hyalochaete)	5202	4046	6069	8670	5491	4176	80	4335
Chaetoceros spp. (Phaeoceros)					578	144		
Chrysochromulina parkeae		1156	578					
Commation cryoporinum	578			289	867	288		
Corethron hystrix	578						40	
Coscinodiscus spp.			289					
Cylindrotheca closterium	4624	867	867	2023	867	1152	520	
Dactyliosolen fragilissimus	18496	20808	30056	9537	12716	5616	1480	1734
Dictyocha speculum	578			289	289			1734
Dinobryon spp.		289						
Dinophysis acuminata	578							578
Dinophysis pulchella								578
Entomoneis spp.				1156	1156	432		
Eutreptiella sp.	1156	578	289				480	3179
Guinardia delicatula	10404	2601	6358	5780	4913	2304	560	9248
Gyrodinium spp.	578	289	578			144	280	289
Helicostomella spp.	578			578			80	867
Heterocapsa triquetra		578	2023	289			5800	17629
Laboea sp.			578				40	
Leptocylindrus danicus					289			578
Leptocylindrus minimus	2890	2023	1445	867	1734	432	520	867
Mediopyxis helysia						144		
Membraneis challengeri						144		
Mesodinium rubrum	2890		1156	867	289		2960	36992
Micracanthodinium claytonii				578				
Navicula distans							40	
Navicula transitans var. *derasa*						432		
Navicula transitans var. *derasa* f. *delicatula*				289				

28-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pennate diatom	1734		289		2890	720		
Proboscia alata			289					
Prorocentrum minimum				867			40	867
Protoperidinium bipes					289	144	40	289
Protoperidinium brevipes			289	289			40	
Protoperidinium conicum								578
Pseudo-nitzschia delicatissima		289	3179				40	
Pseudo-nitzschia fraudulenta			289			144		
Pseudo-nitzschia pseudodelicatissima	41616	57222	44217	37281	27744	12672	7360	310386
Pseudo-nitzschia seriata		1156	289		578	288	40	
Pseudo-nitzschia seriata group	2312	867	289	1734	1156	144	40	578
Scrippsiella sp.	578	578					240	1734
Scrippsiella trochoidea	578		289				240	1445
Skeletonema costatum	1156	1734	289	867	289	288	200	
Thalassionema nitzschioides	1156							
Thalassiosira anguste-lineata	12138		578	4335	867	1152	40	289
Thalassiosira baltica			289			144		
Thalassiosira bioculata	1156		289					
Thalassiosira gravida								289
Thalassiosira punctigera				289				
Thalassiosira sp. (tiny)			289					
Thalassiosira spp.	4624	1734	2890	8381	3468	3168	280	1156
Tintinnida	4046	1156	2890	1445	289	288	1320	10693
Tintinnopsis campanula								289
Tintinnopsis spp.	578						120	
Unarmoured dinoflagellate	4046	578	2312	4046	289		5840	14161
Urosolenia eriensis							40	
4-Aug-09								
Alexandrium fundyense			289					
Amphidinium carterae			289		289			289
Amphidinium sphenoides	289				289			
Apedinella radians				578				
Armoured dinoflagellate	2890	2023	6069	12138	2023	772	289	8959
Asterionellopsis glacialis		289	289	578	867			
Cerataulina pelagica	578		289		578		578	
Ceratium fusus				578				
Ceratium lineatum							289	289
Chaetoceros contortus	1734	867		2312	578	772		
Chaetoceros convolutus f. *trisetosa*	867	867						
Chaetoceros debilis			578			193		
Chaetoceros didymus	1445	289	578	4046	5202	965		
Chaetoceros filiformis							289	
Chaetoceros laciniosus			289	1734				
Chaetoceros lorenzianus							289	
Chaetoceros pseudobrevis						386		
Chaetoceros similis			578				289	
Chaetoceros socialis	277440	93636	91613	180336	183804	35319	6936	
Chaetoceros spp. (Hyalochaete)	7514	3468	2601	6358	5780	3281	1445	5202
Chaetoceros subtilis			289					

4-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chrysochromulina parkeae	578	3757	1156				867	
Commation cryoporinum						772		
Coscinodiscus radiatus					289			
Coscinodiscus spp.							289	
Coscinodiscus wailesii								289
Cylindrotheca closterium	2023	289	867	578	6647	965	4624	
Dactyliosolen fragilissimus	12138	7514	10982	8092	10404	7334	2890	
Dictyocha speculum								578
Dinobryon spp.	578		289					
Dinophysis acuminata	289			2312				2312
Dinophysis pulchella	289	1734						
Ditylum brightwellii					289			
Entomoneis spp.					289	579		
Eutreptiella sp.	867		1445	578			17051	1445
Favella spp.								578
Gonyaulax alaskensis		578						
Gonyaulax spinifera								289
Guinardia delicatula	3468	867	2601	578	4046	4825	5202	867
Gyrodinium spp.	867	578		1734	578	193		578
Helicostomella spp.	1445			4624				867
Heterocapsa triquetra	4046	1156	289	13294	289		11271	56066
Leptocylindrus danicus		289					289	
Leptocylindrus mediterraneus				578		193		
Leptocylindrus minimus	1156	1445			289		3468	
Mesodinium rubrum	6069	4046	1156	2312	578		1734	41905
Navicula transitans var. *derasa*					289			
Navicula transitans var. *derasa* f. *delicatula*	289				289	193		
Pennate diatom	1156		867		289	1544		
Polykrikos spp.			289					
Porosira glacialis					289			
Proboscia alata		289						
Prorocentrum minimum	2023	1445	867	578	289			2890
Protoperidinium brevipes	289							
Protoperidinium mite	2890							
Protoperidinium punctulatum				578				
Protoperidinium spp.	867	578		578				
Protoperidinium steinii								289
Pseudo-nitzschia americana					1734			
Pseudo-nitzschia pseudodelicatissima	89590	83810	61268	176868	52020	14861	88723	1213212
Pseudo-nitzschia pungens								289
Pseudo-nitzschia seriata	578							
Pseudo-nitzschia seriata group	289				289			578
Pseudo-nitzschia subpacifica					289			
Scrippsiella sp.	1734			2890			867	4046
Scrippsiella trochoidea	1445			22542				867
Skeletonema costatum	867	578	867		289		15317	
Stephanopyxis turris					289			
Thalassionema nitzschioides	289							
Thalassiosira anguste-lineata	1445		289	2890	1156	386		

4-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira baltica		289			289			
Thalassiosira gravida	289			1156	578			
Thalassiosira nordenskioeldii					289			
Thalassiosira sp. (tiny)					1156	193		
Thalassiosira spp.	2023	578	867	8670	15606	7527		
Tintinnida	3468	2890		9248	1445	772	6069	10115
Tintinnopsis beroidea					289			
Unarmoured dinoflagellate	2312	1156	289	2312	2601			
11-Aug-09								
Alexandrium fundyense		864						
Amphidinium carterae		432	720		720			
Amphidinium sphenoides	1445	720		1544	1728			
Apedinella radians	578	864	6912	193				
Armoured dinoflagellate	2601	4464	3168	8492	1584	144	2023	12138
Asterionellopsis glacialis				1351	1440	4032		
Attheya longicornis		720						
Cerataulina pelagica			144	579	144	144		867
Ceratium lineatum	867			1544	144			
Chaetoceros contortus		720	144	2316	1152	576		
Chaetoceros convolutus f. *trisetosa*		144	288					
Chaetoceros decipiens					144			
Chaetoceros didymus	289	288	144	193	144	432		
Chaetoceros filiformis							289	
Chaetoceros laciniosus	578	144	576	1737	288			
Chaetoceros lorenzianus	289	144						
Chaetoceros pseudobrevis						288		
Chaetoceros similis	289	1008	720	386	288			
Chaetoceros socialis	90746	8928	3024	965	2016		289	867
Chaetoceros spp. (Hyalochaete)	2601	3888	4032	7334	4896	2160		289
Chrysochromulina parkeae	1156	1584	9216					
Commation cryoporinum					720			
Copepoda					144			
Corethron hystrix		144		193	576	144		
Cylindrotheca closterium	5202	1008	1008	5790	13248	4752	7225	
Dactyliosolen fragilissimus	1156	720	144	579	1728	1440	3179	578
Dictyocha speculum	578			579				2601
Dinophysis acuminata	289	864	288	1544	144			1734
Dinophysis fortii		288						
Dinophysis norvegica			288					
Dinophysis pulchella		576		193				867
Ditylum brightwellii			288	1737	720	288		
Entomoneis spp.						864		
Eucampia zodiacus					144			
Eutreptiella sp.	7514	1008	6912	5597	288		38726	80920
Favella spp.		144						
Gonyaulax spinifera		288	576					1734
Guinardia delicatula		288	144	386	1152	864	10693	867
Guinardia flaccida					288			
Gyrodinium spp.	289	864	576	3088	720	720		289

11-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Helicostomella spp.	1445	1728						
Heterocapsa triquetra	17918	8496	1872	11966	288		4624	18785
Laboea sp.				772				
Lemmoxia faveolata		288						
Leptocylindrus danicus	289		576	193	576	144		
Leptocylindrus mediterraneus	289	288			2160	144		
Leptocylindrus minimus	1734	1728	288	1737	1440	288	3179	578
Mediopyxis helysia						144		
Membraneis challengeri					576	144		
Mesodinium rubrum	867	1152		1351		288	867	1445
Navicula transitans var. *derasa*						144		
Navicula transitans var. *derasa* f. *delicatula*	2023		720	1737	576			
Paralia sulcata						144		
Pennate diatom	6358	432	576	4053	432	1440	867	
Proboscia alata		432				144		
Prorocentrum minimum	2023	576	720	2123				6358
Protoperidinium brevipes				193				
Protoperidinium conicum				386	144			
Protoperidinium mite	578	288						
Protoperidinium punctulatum	289							
Protoperidinium spp.	578	432	576	579	576			578
Protoperidinium steinii		144						
Pseudo-nitzschia americana		144			144			
Pseudo-nitzschia delicatissima								289
Pseudo-nitzschia pseudodelicatissima	9537	1152	1008	2702	36000	30816	66181	816585
Pseudo-nitzschia pungens		144			144	144		2890
Pseudo-nitzschia seriata group					432			
Pseudo-nitzschia turgidula		144						
Scrippsiella sp.	2890	6624	864	2123				9537
Scrippsiella trochoidea	578	1584	576	8106				3468
Skeletonema costatum	867	288	20304	5790	864	1152	17340	2312
Stephanopyxis turris		144		193	144			
Thalassionema nitzschioides	289		288	1158	1008	1440		
Thalassiosira anguste-lineata	289			193	1296			
Thalassiosira baltica				579				
Thalassiosira bioculata		144						
Thalassiosira bioculata var. *exigua*				193				
Thalassiosira gravida					432			
Thalassiosira nordenskioeldii				193				
Thalassiosira sp. (tiny)					144	144		
Thalassiosira spp.	1445	576	432	4246	3744	3744		
Tintinnida	7225	3744	1440	34680	576	432	4913	9248
Tintinnopsis beroidea						144		
Unarmoured dinoflagellate	2023	2160	4176	4053	864	144	289	867
18-Aug-09								
Alexandrium fundyense	867	578	144					867
Alexandrium fundyense (cyst)		289						
Alexandrium fundyense (duplet)	289							
Amphidinium carterae		578	144					289

18-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Amphidinium sphenoides	1156	867	432	867	320	40		289
Apedinella radians		578	864	289			288	
Armoured dinoflagellate	5780	16184	7920	4046	680		13248	32946
Asterionellopsis glacialis					120	120		
Centric diatom			144					
Cerataulina pelagica	1734	289	432		120			
Ceratium fusus		289		289				
Ceratium lineatum	1156	2601	2016	6358	120			2023
Ceratium longipes					40			
Chaetoceros contortus	1156							
Chaetoceros filiformis							2160	
Chaetoceros lorenzianus					120			
Chaetoceros radicans	289							
Chaetoceros similis	2890	2601	432	867	120		432	867
Chaetoceros socialis	40171	1734						
Chaetoceros spp. (Hyalochaete)	1445	3468	288	1156	440	40	1440	289
Commation cryoporinum					80			
Copepoda								289
Corethron hystrix			144		40			
Coscinodiscus wailesii	289				40			289
Cylindrotheca closterium	8092	9248	9072	4913	3360	680	5184	867
Dactyliosolen fragilissimus	289	289		289	80		1296	
Dictyocha speculum	578	867	720	289	40		432	578
Dinophysis acuminata	578	289		1734	400	40		578
Dinophysis norvegica	578	289	144		80			
Dinophysis pulchella		289						3179
Ebria tripartita								1156
Entomoneis spp.					80	280		
Eutintinnus sp.								289
Eutreptiella sp.	4335	5491	1296	4624	120		12240	56933
Favella spp.	289							
Gonyaulax digitale	289	289	288					2023
Gonyaulax spinifera		289	576					
Guinardia delicatula	289				160	40	3024	
Guinardia flaccida						40		
Gyrodinium aureolum			144					
Gyrodinium spp.	1156	2601	1008	867	480	40	432	2312
Helicostomella spp.								289
Heterocapsa triquetra	33235	39593	27648	61268	400		1872	60979
Laboea sp.		289	576	578	40		144	
Lennoxia faveolata	2890	1734					144	
Leptocylindrus danicus			144		80	120		
Leptocylindrus mediterraneus	4624	6936	11088	7514	4760			1445
Leptocylindrus minimus	5780	4624	1008	1445	440		15552	867
Mediopyxis helysia					40			
Membraneis challengeri					40			
Mesodinium rubrum	3179	1734	4320	289	80	40	432	11560
Micracanthodinium claytonii	289							
Navicula transitans var. *derasa*					80			

18-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Navicula transitans var. *derasa* f. *delicatula*	1156	2023		1156	200			
Oxytoxum laticeps				289				
Pennate diatom	6069	2023	288	578	120	200	432	867
Pleurosigma strigosum		289						
Proboscia alata			432	578	280	80		
Prorocentrum micans		578	288	289				289
Prorocentrum minimum	578	2601	1296	1734	80			10404
Protoperidinium bipes					160			
Protoperidinium excentricum			144					
Protoperidinium ovatum	289							
Protoperidinium spp.					120			
Protoperidinium steinii				289	40			
Pseudo-nitzschia americana		289			120	160	288	
Pseudo-nitzschia fraudulenta	289							
Pseudo-nitzschia pseudodelicatissima	867	867			1480	1800	1584	8381
Pseudo-nitzschia pungens	289	289			160		576	9248
Pseudo-nitzschia seriata					80			
Rhizosolenia imbricata	289		288			40		
Rhizosolenia spp.					80			
Salpingella spp.			432					
Scrippsiella sp.	4335	6647	4752	8381	200		1152	13005
Scrippsiella trochoidea	867	2601	4608	3757			720	2890
Skeletonema costatum					40	240	7056	
Thalassionema nitzschioides					520	120		
Thalassiosira anguste-lineata		289	288			80		
Thalassiosira baltica					200	160		
Thalassiosira bioculata		578	144					
Thalassiosira gravida		289	144					
Thalassiosira punctigera						80		
Thalassiosira spp.			288	289	480	480		
Tintinnida	9826	8381	1584	8959	360	40	8640	21675
Tintinnopsis beroidea						40		
Unarmoured dinoflagellate	5491	8381	2160	2601	560	40	432	2023
26-Aug-09								
Alexandrium fundyense	2448	864	1440	40				192
Alexandrium fundyense (cyst)		96						
Alexandrium fundyense (duplet)			144					
Amphidinium carterae								96
Amphidinium sphenoides		288	1152					96
Amylax triacantha	144							
Apedinella radians			144					
Armoured dinoflagellate	10080	7008	7200	480		120	40	3456
Asterionellopsis glacialis						80		
Centric diatom				40				
Cerataulina pelagica	288			120				
Ceratium fusus	144	96		40				96
Ceratium lineatum	6912	11328	14688	240			40	4992
Ceratium spp.			2160					96
Chaetoceros borealis						40		

26-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros contortus	144							
Chaetoceros similis	144						120	96
Chaetoceros socialis	8640	96						
Chaetoceros spp. (Hyalochaete)							360	
Chaetoceros subtilis							40	
Chrysochromulina parkeae			144					
Commation cryoporinum				40		40		
Copepoda	144	192		40				
Corethron hystrix	144			40				
Coscinodiscus spp.							40	
Coscinodiscus wailesii	576		432					288
Cylindrotheca closterium	3168	2880	8064	2800		1240	80	192
Dactyliosolen fragilissimus			144	160		40		
Dictyocha speculum	720	768	1728	720			80	3840
Dinophysis acuminata	432		576	120				864
Dinophysis norvegica	288	576	432					
Dinophysis pulchella		96						96
Ditylum brightwellii						40		
Ebria tripartita								1632
Entomoneis spp.						240		
Eutreptiella sp.	10080	4224	6624	160			2400	3456
Gonyaulax digitale	1296	192						96
Gonyaulax spinifera	288	1152						288
Guinardia delicatula				80				
Gyrodinium aureolum	288	480	576					96
Gyrodinium spp.	864	384	1584			40		384
Helicostomella spp.								288
Heterocapsa triquetra	3024	4416	1872	80				1536
Laboea sp.	576	192	1152	80				96
Lennoxia faveolata	288	1056	576	200				
Leptocylindrus danicus		96						
Leptocylindrus mediterraneus			5184	2080		40		
Leptocylindrus minimus	720	672	576	280		200	1120	
Licmophora spp.							40	
Membraneis challengeri				40				
Mesodinium rubrum	2160	2880	6912	80			480	2688
Navicula distans				40		40		
Navicula transitans var. *derasa* f. *delicatula*	144			40		80		
Odontella aurita						40		
Pennate diatom	288	480	144			80	40	
Polykrikos spp.		96	144					
Proboscia alata				40		40		
Prorocentrum micans	576	192						192
Prorocentrum minimum		768	3168	80			120	3552
Prorocentrum sp. (small)		192						
Protoperidinium bipes			144					
Protoperidinium spp.	144		432					96
Protoperidinium steinii			288	40				
Pseudo-nitzschia delicatissima				40				

26-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pseudodelicatissima				200		240		
Pseudo-nitzschia pungens				240		240	40	288
Pseudo-nitzschia seriata group								96
Rhizosolenia imbricata				80		40		
Scrippsiella sp.	432	960	3168	40				192
Scrippsiella trochoidea		192	576					96
Skeletonema costatum							80	
Thalassionema nitzschioides				200		120		
Thalassiosira baltica						80		
Thalassiosira gravida				40				
Thalassiosira spp.	288			160		80		
Tintinnida	2880	4992	7056	400		40	200	10656
Unarmoured dinoflagellate	1872	2400	7056	80		40		864
31-Aug-09								
Alexandrium fundyense	3552	4046	6336	10982				
Alexandrium fundyense (duplet)	480		1008	867				
Alexandrium fundyense (quadruplet)				289				
Alexandrium fundyense (triplet)	192		144					
Amphidinium carterae				289	120			
Amphidinium sphenoides	384		576		320	80		
Amylax triacantha				289				
Apedinella radians			288	3179	40			
Armoured dinoflagellate	4608	13872	12096	8381	1040	40	40	2304
Cerataulina pelagica					120	80		
Ceratium bucephalum					40			
Ceratium fusus			144		160			
Ceratium lineatum	8928	53465	16704	15028	3760	160	120	3312
Ceratium longipes							40	
Ceratium minutum								144
Ceratium spp.	960	2023	1008	289				1872
Chaetoceros filiformis							80	
Chaetoceros similis					40	40	40	
Chrysochromulina parkeae			144					
Commation cryoporinum				289				
Copepoda	96		144		40			288
Corethron hystrix			144					
Coscinodiscus concinnus					120		40	
Coscinodiscus spp.				289				
Coscinodiscus wailesii	480	289	144		240		40	
Cylindrotheca closterium	1824	4046	1296	5491	1120	1360	240	
Dictyocha speculum	96			289	320	160	80	4752
Dinophysis acuminata	192	1156	1440	867	160	80		3600
Dinophysis dens								144
Dinophysis fortii			144	289				
Dinophysis norvegica	96	867	288	1445	200		40	144
Dinophysis pulchella	96	289						144
Ebria tripartita	96		144				80	10512
Entomoneis spp.						200		
Eutreptiella sp.	5280	27455	8352	14161	2040		80	1152

31-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gonyaulax digitale		2023	720					144
Gonyaulax spinifera	1056	578	1296	289				
Gyrodinium aureolum	1056	3757	3312	1156	160			144
Gyrodinium spp.	960	3179	3744	3468	600	280	80	432
Gyrosigma fasciola							40	
Helicostomella spp.							40	288
Heterocapsa triquetra	192	578	288	867				288
Laboea sp.	1632	1156	1152	1445	40			576
Lemnoxia faveolata			576					
Leptocylindrus mediterraneus	960	578	720	1156	960	240		
Leptocylindrus minimus	768	289	432			160	40	
Mesodinium rubrum	11712	12138	10368	6647	80		960	12384
Micracanthodinium claytonii				289				
Navicula transitans var. *derasa* f. *delicatula*	96				80	40		
Pennate diatom	96		144			80		
Pleurosigma strigosum				289		40		
Polykrikos spp.	192	1156	720	1445				
Preperidinium meuneri			432					
Prorocentrum micans	192	2023	720	867		80		288
Prorocentrum minimum	1248	1445	576	289	560			6912
Protoperidinium brevipes			144			40		
Protoperidinium granii				289				
Protoperidinium ovatum					40			
Protoperidinium spp.	192	578			240			
Protoperidinium steinii			144				40	432
Pseudo-nitzschia americana	96							
Pseudo-nitzschia delicatissima group							80	
Pseudo-nitzschia pseudodelicatissima						200		
Pseudo-nitzschia pungens	96					80	80	864
Rhizosolenia imbricata						40		
Scrippsiella sp.	1440	3179	5760	3757	200			144
Scrippsiella trochoidea	768	1734	2592	1445	40			144
Skeletonema costatum							160	
Thalassionema nitzschioides						280		
Thalassiosira baltica				289	80	120		
Thalassiosira punctigera						40		
Thalassiosira spp.	96					200		
Tintinnida	13056	38437	9936	43350	1760	40	1520	11952
Tintinnopsis spp.							80	
Unarmoured dinoflagellate	5184	23698	22176	6069	400	80	40	2736
8-Sep-09								
Alexandrium fundyense		40	96					96
Amphidinium carterae	160	80	192					
Amphidinium sphenoides			96	80				
Armoured dinoflagellate	480	1120	960	240	200	80	80	2400
Centric diatom	40							
Cerataulina pelagica	80				160			
Ceratium fusus	80			200				
Ceratium lineatum	3320	4000	5952	2200		80	80	96

8-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ceratium longipes			96					
Ceratium spp.			1056					288
Chaetoceros similis				80			40	
Commation cryoporinum			96	80				
Copepoda		40		40	40		40	96
Corethron hystrix				40				
Coscinodiscus concinnus				80				
Coscinodiscus radiatus					40			
Coscinodiscus spp.	120				80			
Coscinodiscus wailesii	480	360	288	400	40			
Cylindrotheca closterium	560	240	1248	880	800	280	40	
Dictyocha speculum	120	40		80	80		40	3264
Dinophysis acuminata	80	40		40		40		288
Dinophysis fortii		40						
Dinophysis norvegica	120	160	288	40				
Dinophysis pulchella		40						
Ebria tripartita			96		40		640	12096
Entomoneis spp.	40							
Eutreptiella sp.	3720	3600	9504	1400	80		480	864
Favella spp.					40			
Gonyaulax digitale	40		96					
Gonyaulax spinifera		40						
Gyrodinium aureolum	40	40	96	40				
Gyrodinium spp.	440	480	576	280	160			576
Helicostomella spp.	40							288
Heterocapsa triquetra								192
Laboea sp.	80	80	192					
Lennoxia faveolata				120				
Leptocylindrus mediterraneus	40	120	96	120	280			
Leptocylindrus minimus	160	160	384	320	80		40	96
Mesodinium rubrum	2600	6040	16704	320	40	40	600	2688
Navicula distans	40							
Navicula transitans var. *derasa*				80	40			
Navicula transitans var. *derasa* f. *delicatula*	40					80		
Oxytoxum gracile					40			
Pennate diatom	200	40		80	80	80		
Pleurosigma angulatum	40						40	
Pleurosigma strigosum	40		96		40			
Polykrikos spp.	40			40				96
Prorocentrum micans	360	320	192	200			80	480
Prorocentrum minimum	40	120	288	160	40		40	1248
Protoperidinium spp.	40			80	40			
Pseudo-nitzschia americana		40				40		
Pseudo-nitzschia delicatissima group	120		96	120		40		
Pseudo-nitzschia pungens	240	80	288	320	80			
Pseudo-nitzschia subpacifica				40	80			
Rhizosolenia imbricata	40							
Scrippsiella sp.	80		192					192
Scrippsiella trochoidea		40	192	40				96

8-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Skeletonema costatum	40					40	160	
Thalassionema nitzschioides					40	80		
Thalassiosira punctigera		40			80			
Thalassiosira spp.			192	40	120			
Tintinnida	7280	54910	12192	1200	440	40	280	22656
Tintinnopsis beroidea						40		
Tintinnopsis spp.							320	
Unarmoured dinoflagellate	360	520	2400	120	120	40	40	960
15-Sep-09								
Amphidinium carterae	384		576	160				144
Amphidinium sphenoides		144				40		
Apedinella radians	96	144		40				
Armoured dinoflagellate	3648	9504	3456	320	240		280	2448
Aulacoseira ambigua				40				
Centric diatom		288					40	
Cerataulina pelagica						40		
Ceratium fusus	192	144		40				
Ceratium lineatum	4416	19296	17856	6200	80		920	4032
Ceratium spp.		1008	432					1152
Ceratium tripos			144					
Chaetoceros debilis	192	144				40		
Chaetoceros laciniosus						40		
Chaetoceros similis				40			40	576
Chaetoceros socialis	576	144		320	40			
Chaetoceros spp. (Hyalochaete)	384				80	40		
Commation cryoporinum			144					
Copepoda				120		40	80	
Corethron hystrix							120	720
Coscinodiscus concinnus	192			160	40		40	
Coscinodiscus spp.	96	432			120			
Coscinodiscus wailesii	1344	864	288	960	320			288
Cylindrotheca closterium	768	288	288	200	480	280	40	144
Dictyocha speculum	96	144					5160	28656
Dinophysis acuminata		288	432	120			80	1008
Dinophysis fortii		432	144					144
Dinophysis norvegica		576	144	120			40	
Ebria tripartita	96			40			520	11088
Eucampia zodiacus				40				
Eutreptiella sp.	3936	5184	7488	3000	40		200	576
Favella spp.				40				
Gonyaulax digitale			288					
Gonyaulax spinifera		144	288					720
Guinardia flaccida				120	80			
Gyrodinium aureolum	96		1152	40				144
Gyrodinium spp.	768	432	432	360		120	40	576
Helicostomella spp.	384	576					40	432
Laboea sp.	192	2304	288	480		40	80	144
Leptocylindrus danicus					40	40		
Leptocylindrus mediterraneus	192	288	576	200				

15-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Leptocylindrus minimus	288			40			40	288
Membraneis challengeri				160	80			
Mesodinium rubrum	4608	12240	8352	960	80	40	3720	4896
Micracanthodinium claytonii		432						
Navicula transitans var. *derasa*					120			
Navicula transitans var. *derasa* f. *delicatula*					80			
Paralia sulcata						40		
Pennate diatom						40		
Pleurosigma strigosum				40	40			
Polykrikos spp.	96	720	432	160				
Prorocentrum micans	384	432	864	200			80	1152
Prorocentrum minimum	96	1008		80	200	40		97682
Protoperidinium bipes					80			
Protoperidinium punctulatum	96							
Protoperidinium spp.			144	160	40			
Protoperidinium steinii	96							
Pseudo-nitzschia americana				40				
Pseudo-nitzschia delicatissima group				40	80			
Pseudo-nitzschia pungens	3744	10368	6048	9560	960	1160	80	1728
Pseudo-nitzschia subpacifica						40		
Pseudo-nitzschia turgidula				40				
Scrippsiella sp.	96	3744	2016					144
Scrippsiella trochoidea		720	1296	200			280	1296
Stephanopyxis turris						40		
Thalassionema nitzschioides						80		
Thalassiosira punctigera						40		
Thalassiosira spp.				240	40	40		
Tintinnida	10848	38736	17136	6280	1560	480	3440	15120
Tintinnopsis beroidea							160	
Unarmoured dinoflagellate	2304	5760	5184	680	120	80	320	2592
22-Sep-09								
Actinoptychus senarius						320		
Alexandrium fundyense	40							
Amphidinium carterae		40	288	160				
Amphidinium sphenoides			144	120				
Apedinella radians			288	80				
Armoured dinoflagellate	1040	8360	4176	2040	360	40	40	1728
Centric diatom		80	288					
Cerataulina pelagica	40			320				
Ceratium fusus	40			80				
Ceratium lineatum	800	2520	8208	4840	720	120	80	1728
Ceratium spp.	80							
Chaetoceros debilis				80		80		
Chaetoceros lorenzianus								96
Chaetoceros similis	40							
Chaetoceros socialis		360			120	200		
Chaetoceros spp. (Hyalochaete)	240	40	144	200	40	120	40	
Copepoda								96
Corethron hystrix	120	40	144				120	1152

22-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Coscinodiscus concinnus	160		864	480		120		
Coscinodiscus radiatus						40		
Coscinodiscus spp.	160			80	40			96
Coscinodiscus wailesii	400	80	1296	520	120	40		
Cylindrotheca closterium	120	320	720	280	200	120		288
Dactyliosolen fragilissimus					400	120		
Dictyocha speculum	1400	480	1296	560	40	40	640	6720
Dinophysis acuminata				40	120			576
Dinophysis norvegica	40			80	40		40	672
Dinophysis pulchella		40						384
Ebria tripartita	40	80		40				288
Entomoneis spp.						40		
Eucampia zodiacus	40	40		200	240	120		
Eutreptiella sp.	840	1440	5040	1760	200		120	1344
Gonyaulax digitale				80				
Gonyaulax spinifera		120						
Guinardia delicatula	40			200	80	80		96
Guinardia flaccida	40	40		240	120	320		960
Gyrodinium aureolum	40		144					
Gyrodinium spp.	240	40	432	840	120	80		192
Helicostomella spp.	40							
Heterocapsa triquetra		40						
Laboea sp.	80	40	432	400	40	40		
Lauderia annulata	40							
Lennoxia faveolata	40							
Leptocylindrus danicus	160		144			40		
Leptocylindrus mediterraneus		40	576	280				
Leptocylindrus minimus	120	200		200			40	
Membraneis challengeri				40	40	40	40	
Mesodinium rubrum	2120	1360	12384	840	80		1200	6336
Micracanthodinium claytonii				80				
Navicula distans	120					40		96
Navicula transitans var. *derasa* f. *delicatula*				40				
Pleurosigma angulatum		40						
Pleurosigma strigosum				40	80	80		
Polykrikos spp.	40			200				
Proboscia alata						40		
Prorocentrum micans	120	320	576	120				480
Prorocentrum minimum	120	120	432	120	120			2976
Prorocentrum sp. (small)		40						
Protoperidinium spp.		40	432	40	40			96
Pseudo-nitzschia americana	40					40		
Pseudo-nitzschia delicatissima		80				40		
Pseudo-nitzschia delicatissima group	80							
Pseudo-nitzschia fraudulenta	40	120		120		40		
Pseudo-nitzschia pseudodelicatissima			432			80		
Pseudo-nitzschia pungens	1880	2080	3168	7080	5160	3280	80	1056
Pseudo-nitzschia seriata	40							
Pseudo-nitzschia seriata group			144				40	

22-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Rhizosolenia setigera						40		
Scrippsiella sp.		120	1440	600				192
Scrippsiella trochoidea	400	200	1872	760	40		40	1632
Skeletonema costatum		40						
Stephanopyxis turris					80			
Thalassionema nitzschioides						80		
Thalassiosira baltica						40		
Thalassiosira gravida	80							
Thalassiosira punctigera	40	120	144			40		
Thalassiosira sp. (tiny)	40							
Thalassiosira spp.	200		144	400	280	240		
Tintinnida	5040	9800	11952	5560	440	160	80	9696
Tintinnopsis beroidea	40						80	
Unarmoured dinoflagellate	600	480	864	1360	80	120		480
29-Sep-09								
Actinoptychus senarius	80			480	160			
Alexandrium fundyense		40	40					
Amphidinium carterae	200	120	120					288
Amphidinium sphenoides					80			
Apedinella radians		80		96				
Armoured dinoflagellate	1080	4400	5360	4128	240		40	1248
Bacillaria paxillifera								96
Biddulphia alternans		40						
Calliacantha sp.								96
Centric diatom	80							96
Cerataulina pelagica		40				40	1040	
Ceratium fusus	40			96	40			
Ceratium lineatum	1400	5120	2960	6240	80	40		480
Chaetoceros debilis	40				80			
Chaetoceros socialis			40					
Chaetoceros spp. (Hyalochaete)	160				40	40		
Commation cryoporinum	80				40			
Copepoda	80	40		96		40		
Corethron hystrix		40	40			40	40	192
Coscinodiscus concinnus	40		120			120	40	
Coscinodiscus spp.	40		120		40		40	96
Coscinodiscus wailesii	160		120	288	40			
Cylindrotheca closterium	320	80	120	96	560	320	80	2304
Dactyliosolen fragilissimus		40						
Dictyocha speculum	280	200	200	480	80	40	160	576
Dinophysis acuminata	40		40	480	80			192
Dinophysis fortii								96
Dinophysis norvegica	80			96			40	96
Dinophysis pulchella								192
Ebria tripartita							80	384
Entomoneis spp.						120		
Eucampia zodiacus			160		80	80		
Eutintinnus sp.		40						
Eutreptiella sp.	480	2400	1200	6720	80		240	1344

29-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gonyaulax digitale	80							
Gonyaulax spinifera		40	200					1056
Guinardia delicatula	80		160	192	80	120	40	384
Guinardia flaccida	120						40	384
Guinardia striata			80		40			
Gyrodinium aureolum		40	360	864				
Gyrodinium spp.	120	40	640	672	40	80	40	192
Helicostomella spp.	40							
Heterocapsa triquetra		160	160					
Laboea sp.	80	120	200	384			80	
Lauderia annulata	80							
Lennoxia faveolata		80						
Leptocylindrus danicus	40	40	120		40			
Leptocylindrus mediterraneus	40	80	120	288	120	40		
Leptocylindrus minimus	40	40	200	576		40		96
Licmophora spp.								288
Membraneis challengeri	40		40		80	40		
Mesodinium rubrum	3000	2680	1120	1344			2240	11808
Navicula transitans var. *derasa* f. *delicatula*			40			40		
Pennate diatom	40	40					120	8640
Pleurosigma / Gyrosigma		40						192
Pleurosigma strigosum	40				80	120		
Polykrikos spp.			40					
Proboscia alata					40	120		
Prorocentrum micans	320	120	720	384				288
Prorocentrum minimum			120	96	40			96
Protoperidinium bipes				96				
Protoperidinium cerasus					40			
Protoperidinium spp.		40		288				
Protoperidinium steinii			80					
Pseudo-nitzschia americana			40					
Pseudo-nitzschia delicatissima group	40	80		96	80		40	
Pseudo-nitzschia pseudodelicatissima						40		
Pseudo-nitzschia pungens		40		288	40	400	40	
Pseudo-nitzschia subpacifica						40		
Pterosperma sp.	40			480	40			
Rhizosolenia imbricata			40					
Scrippsiella sp.	40	200	40					
Scrippsiella trochoidea	120	40	920	288			40	672
Skeletonema costatum							80	96
Stephanopyxis turris					40	40		
Thalassionema nitzschioides						40		
Thalassiosira baltica							40	
Thalassiosira gravida	40			96	80	40		
Thalassiosira punctigera	80		40		40			192
Thalassiosira spp.	40	80	200			80	40	
Tintinnida	3320	5920	1560	7296	320	240	120	5088
Tintinnopsis spp.								96
Unarmoured dinoflagellate	440	720	1960	2880	120		40	384

14-Oct-09	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Actinoptychus senarius	260	500	280	560	400	360	120	240
Amphidinium carterae			20		40			160
Armoured dinoflagellate	40		200	120	80			280
Biddulphia alternans			40					
Centric diatom	20				40			80
Cerataulina pelagica	160	140	60	80	40	80	200	1600
Ceratium fusus				40				
Ceratium lineatum	140	40	380	240	600			160
Ceratium tripos					40			80
Chaetoceros debilis	40							
Chaetoceros didymus			20					
Chaetoceros lorenzianus								40
Chaetoceros similis		20						40
Chaetoceros socialis				40		80		
Chaetoceros spp. (Hyalochaete)	20		20	40				120
Copepoda		40					40	40
Corethron hystrix		20				40	40	400
Coscinodiscus concinnus			40	40				
Coscinodiscus spp.	40	100	40	40	80			
Coscinodiscus wailesii	60		60	40				120
Cylindrotheca closterium	320	740	460	360	640	80	40	360
Dictyocha speculum	80	20	40	40	80		80	560
Dinophysis acuminata								80
Dinophysis norvegica	20		20		80			
Dinophysis pulchella			20					40
Ditylum brightwellii		20		80		40		
Entomoneis spp.						40		
Eucampia zodiacus	120		60	160	40		80	1120
Eutreptiella sp.	80	40	160	120	160			2320
Gonyaulax spinifera			40					160
Guinardia delicatula	360	80	260	40		80	240	1480
Guinardia flaccida	540	140	240	520	520	280	440	5120
Guinardia striata	80	60						
Gyrodinium spp.	60	60	80	40				80
Gyrosigma fasciola		20						
Gyrosigma spp.	40							
Helicostomella spp.	160							
Laboea sp.	80		60				160	
Leptocylindrus danicus	40	20	20					40
Leptocylindrus minimus	60							
Licmophora spp.	20							40
Mediopyxis helysia						40		
Melosira nummuloides					40			
Mesodinium rubrum	820	80	500	160	200		360	920
Navicula distans	120	60					40	
Paralia sulcata	20	20						40
Pennate diatom	40	40		80	120			40
Pleurosigma strigosum	60	40	40	120	40	40		80
Prorocentrum micans	140	40	100	240	280			640

14-Oct-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Prorocentrum minimum			40	80				240
Protoperidinium excentricum								40
Pseudo-nitzschia americana	20	20					40	
Pseudo-nitzschia delicatissima	40	20						
Pseudo-nitzschia delicatissima group			20					
Pseudo-nitzschia fraudulenta	20							
Pseudo-nitzschia pseudodelicatissima		20						
Pseudo-nitzschia pungens	20	20	20	120	240	200		
Rhizosolenia setigera					40		200	480
Scrippsiella trochoidea			60	40	40		40	40
Skeletonema costatum							40	
Stephanopyxis turris	60	20	20		40			40
Thalassionema nitzschioides	20	20	80		40	40		
Thalassiosira baltica				160		80		
Thalassiosira gravida		20			40			120
Thalassiosira punctigera	60	40	60	40	80	40		200
Thalassiosira spp.	20	80	60	120		80	40	80
Tintinnida	440	80	260	200	280	320	40	1080
Tintinnopsis beroidea							40	
Unarmoured dinoflagellate	60	60				40	200	440
20-Oct-09								
Actinoptychus senarius							80	160
Amphidinium carterae								80
Armoured dinoflagellate	240							160
Centric diatom								40
Cerataulina pelagica	80						120	160
Ceratium lineatum	520							240
Ceratium spp.	40							
Chaetoceros lorenzianus	40							
Chaetoceros similis							40	
Chaetoceros socialis								40
Chaetoceros spp. (Hyalochaete)	40						40	80
Copepoda	80							
Corethron hystrix	40							200
Coscinodiscus spp.								40
Cylindrotheca closterium	1080						80	560
Dictyocha speculum	40						80	680
Dinophysis norvegica								40
Eucampia zodiacus	40						40	320
Eutreptiella sp.	120						200	280
Gonyaulax digitale	40							
Guinardia delicatula							280	1320
Guinardia flaccida	160						80	1760
Gyrodinium aureolum	40							40
Gyrodinium spp.	120						40	
Gyrosigma tenuissimum	40							
Heterocapsa triquetra	40							
Laboea sp.	240							120
Mesodinium rubrum	2680						280	3200

20-Oct-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Paralia sulcata							40	
Pennate diatom	160							40
Pleurosigma strigosum	80						80	
Prorocentrum micans	520						160	400
Protoperidinium spp.								200
Protoperidinium steinii	40							
Pseudo-nitzschia delicatissima	40							
Pseudo-nitzschia delicatissima group							40	
Pseudo-nitzschia fraudulenta	40							
Rhizosolenia setigera	80						320	280
Scrippsiella trochoidea	80							40
Skeletonema costatum							120	
Thalassionema nitzschioides	40							
Thalassiosira gravida	80							80
Thalassiosira punctigera							40	200
Thalassiosira spp.	40						80	200
Tintinnida	920						40	440
Unarmoured dinoflagellate	120							200
27-Oct-09								
Actinoptychus senarius	280	240	80		320			288
Alexandrium fundyense								96
Amphidinium carterae		40				40		
Armoured dinoflagellate	120		360	120			80	1440
Aulacoseira ambigua						40		2304
Centric diatom		40						
Corataulina pelagica					40			480
Ceratium fusus			40	40				
Ceratium lineatum	920	40	1240	480			40	4128
Ceratium tripos			40					96
Chaetoceros debilis				80				96
Chaetoceros similis								192
Chaetoceros spp. (Hyalochaete)	40		80					192
Copepoda		80	80					
Corethron hystrix	40			40	40			576
Coscinodiscus spp.		80						
Coscinodiscus wailesii		40						
Cylindrotheca closterium	1200	1840	2480	1200	600	320	200	1440
Dictyocha speculum	40	80	80				40	960
Dinophysis acuminata			40					192
Dinophysis norvegica	80		120					288
Ditylum brightwellii		40	40	40	80			
Entomoneis spp.						80		
Eucampia zodiacus	40	40	80					96
Eutreptiella sp.	880	120	800	520			40	9696
Gonyaulax digitale	40							
Guinardia delicatula	40	40	120		80		320	288
Guinardia flaccida			160		160	80		96
Gyrodinium aureolum			40					
Gyrodinium spp.	280		120	120	80			768

27-Oct-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gyrosigma tenuissimum	40							
Helicostomella spp.	40							
Helicotheca tamesis					120			
Heterocapsa triquetra			360	120				1248
Laboea sp.			120				40	96
Leptocylindrus danicus		40						
Leptocylindrus minimus			40		80			
Mesodinium rubrum	360	360	1960	240	80		760	7392
Navicula distans	40				80		40	
Navicula transitans var. *derasa*				40				
Navicula transitans var. *derasa* f. *delicatula*		40	40					
Odontella sinensis		40						
Pennate diatom	80	80	40		80	40	80	96
Pleurosigma strigosum		80	40		40		80	
Polykrikos spp.		40						
Prorocentrum micans	640	80	1280	240			80	2880
Prorocentrum minimum	80			80	40			96
Protoperidinium punctulatum								192
Protoperidinium spp.								192
Pseudo-nitzschia americana		40						
Pseudo-nitzschia delicatissima							40	
Pseudo-nitzschia delicatissima group	40		80		40			
Pseudo-nitzschia pungens			40					
Rhizosolenia setigera	40					40	160	384
Scrippsiella trochoidea			80	40				288
Skeletonema costatum	40		40				80	192
Stephanopyxis turris			40					
Thalassionema nitzschioides	40		160		240			
Thalassiosira baltica				40		80		
Thalassiosira gravida						40	40	96
Thalassiosira punctigera	40		40	40	40	40	40	864
Thalassiosira sp. (tiny)					40			
Thalassiosira spp.	80	120	40	80	80		80	192
Tintinnida	1800	320	1000	120	40	80	160	5760
Tintinnopsis beroidea				40			40	
Tintinnopsis spp.		40						
Unarmoured dinoflagellate	400	160	520	360			120	1536
17-Nov-09								
Actinoptychus senarius	160	80	280		80	400		240
Alexandrium fundyense								40
Alexandrium ostenfeldii								120
Amphidinium carterae		120	40			40		120
Amphidinium sphenoides					80			
Apedinella radians								40
Armoured dinoflagellate	80	400	280	200				200
Asterionella formosa							80	
Asterionellopsis glacialis	80					80		
Centric diatom		80		40			40	
Cerataulina pelagica			40					

17-Nov-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ceratium fusus		80						
Ceratium lineatum		240	40					280
Ceratium spp.				40				
Ceratium tripos			80					
Chaetoceros lorenzianus			40					
Chaetoceros similis			40	40				160
Chaetoceros spp. (Hyalochaete)	80	40			120			40
Commation cryoporinum								40
Copepoda		40	80				40	
Corethron hystrix	80	80						
Coscinodiscus spp.								40
Coscinodiscus wailesii								80
Cylindrotheca closterium	1200	1480	1640	480	640	760	760	2720
Dictyocha fibula		40				40		
Dictyocha speculum	80	160	120	40	80	40	40	320
Dinophysis acuminata		40		40				80
Dinophysis tripos		40						
Ditylum brightwellii	80	80	40		40			
Ebria tripartita		40						
Entomoneis spp.					40	40	40	
Eutreptiella sp.	80	360	80	80	80			1280
Gonyaulax spinifera			40					
Guinardia delicatula	160	200	40	80				
Guinardia flaccida		160						
Guinardia striata				40				
Gyrodinium spp.		160	40	80	40			240
Helicotheca tamesis					40	40		
Heterocapsa triquetra		160						40
Laboea sp.			80	40				40
Leptocylindrus minimus		40	40					
Licmophora spp.							40	
Mesodinium rubrum	520	4520	1280	80			320	3480
Micracanthodinium claytonii					40			
Navicula distans	80		80	40	40			
Odontella sinensis	40				80			
Pennate diatom	40		80		40	40	40	40
Pleurosigma angulatum						40		
Pleurosigma strigosum	80				40			40
Prorocentrum micans	680	1120	560	400	200		40	1320
Prorocentrum minimum		40						40
Protoperidinium spp.		40		40	40			40
Pseudo-nitzschia delicatissima group					40		40	40
Rhizosolenia imbricata			80					
Rhizosolenia setigera	40		40	120	40		40	120
Skeletonema costatum							40	
Stephanopyxis turris			40		40	40		40
Thalassionema nitzschioides	40		40		40	40	80	80
Thalassiosira baltica							40	
Thalassiosira gravida								40

17-Nov-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira punctigera	40	280	240	120	80	40	120	400
Thalassiosira spp.	80	40	40	40			40	
Tintinnida	80	1360	680	240	40		80	2200
Tintinnopsis beroidea		120			40	40		40
Unarmoured dinoflagellate	80	200	200					680
15-Dec-09								
Actinoptychus senarius		160		80				
Amphidinium carterae							40	80
Armoured dinoflagellate			40	40	40			40
Asterionellopsis glacialis	80							
Centric diatom			120					
Ceratium lineatum			40					
Ceratium spp.							40	
Chaetoceros similis			40	40				40
Chaetoceros spp. (Hyalochaete)	40		40	40		40		
Corethron hystrix	40							
Coscinodiscus wailesii		40						
Cylindrotheca closterium	1440	960	960	1280	1160	480	1120	2520
Detonula confervacea			40					
Dictyocha speculum		80	160		40	40		160
Dinobryon spp.							40	
Dinophysis acuminata	40							40
Dinophysis norvegica							40	40
Ditylum brightwellii	80			120	40	40		
Ebria tripartita					40			
Entomoneis spp.						40		
Eutreptiella sp.				40				680
Guinardia delicatula	40	40			40	40		
Gyrodinium spp.		40		80	40			80
Heterocapsa triquetra				40				40
Laboea sp.	40							40
Leptocylindrus minimus	40						40	
Membraneis challengeri				40				
Mesodinium rubrum	680	480	240				480	560
Micracanthodinium claytonii								40
Navicula distans		80		40		120		40
Navicula transitans var. *derasa* f. *delicatula*	40							40
Odontella sinensis				40				
Pennate diatom			240	120	120		120	40
Pleurosigma angulatum			40	40			40	
Pleurosigma strigosum		40						
Porosira glacialis	40							
Prorocentrum micans	200	80	240	120	40		240	920
Pseudo-nitzschia delicatissima group	80	40						
Rhizosolenia setigera	40							40
Skeletonema costatum								80
Stephanopyxis turris	40	40					80	
Thalassionema nitzschioides					40	80	80	
Thalassiosira baltica					80			

15-Dec-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira gravida	40			40				
Thalassiosira punctigera	40		40				200	400
Thalassiosira sp. (tiny)		40						
Thalassiosira spp.	120	120					40	40
Tintinnida	120	120	80	120	80		160	320
Tintinnopsis beroidea		40						
Unarmoured dinoflagellate			40		40		40	360
27-Jan-10								
Armoured dinoflagellate	40							80
Asterionellopsis glacialis						40		
Centric diatom			120			80		
Ceratium lineatum					40			
Ceratium tripos					40			
Chaetoceros similis							40	
Chaetoceros spp. (Hyalochaete)								80
Copepoda							40	40
Corethron hystrix			40					
Coscinodiscus spp.					40			
Cylindrotheca closterium	800	400	1440	400	600	280	520	720
Dictyocha speculum			40					40
Ditylum brightwellii		40			40			
Eutreptiella sp.								120
Guinardia delicatula	40	120	40	40		40	80	
Guinardia flaccida						40		
Gyrodinium spp.	40		40	40				
Laboea sp.							200	
Leptocylindrus minimus			40					
Licmophora spp.	40							
Membraneis challengeri						40		
Mesodinium rubrum	880	600	560	40	40		440	2120
Navicula distans		40	40	40	40	80		
Odontella aurita						40		
Pennate diatom	40	80	40	40			40	
Pleurosigma angulatum							40	
Pleurosigma strigosum						40	40	
Porosira glacialis								40
Prorocentrum micans	40	200	40					
Protoperidinium spp.		40						
Pseudo-nitzschia delicatissima				80			80	
Pseudo-nitzschia delicatissima group	40		40					160
Pseudo-nitzschia pungens		40						
Rhizosolenia setigera				40			160	120
Rhizosolenia spp.			40					
Skeletonema costatum					40		80	
Thalassionema nitzschioides		80	40	40				40
Thalassiosira gravida	40							80
Thalassiosira nordenskioeldii		40						
Thalassiosira punctigera	40	40					40	120
Thalassiosira spp.	120			80	80	80	40	40

27-Jan-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	2440	80	80		40	80	80	360
Unarmoured dinoflagellate								120
16-Feb-10								
Alexandrium fundyense						40		
Amphidinium carterae	40	80						
Amphidinium sphenoides								40
Apedinella radians	40							
Asterionellopsis glacialis	40							
Chaetoceros similis	40							80
Chaetoceros simplex								280
Chaetoceros spp. (Hyalochaete)	200	40	120		40		40	240
Commation cryoporinum	40			40				40
Corethron hystrix					40			40
Coscinodiscus radiatus						40		
Cylindrotheca closterium	640	1400	600	560	1240	600	400	720
Dictyocha speculum		240	80	40	80			120
Dinophysis acuminata				40				
Ditylum brightwellii				120				
Eutreptiella sp.				40				
Guinardia delicatula					80			
Gyrodinium spp.		80	40				40	
Helicotheca tamesis			40					
Leptocylindrus minimus		80					40	
Mesodinium rubrum	400	800	240	80	40		520	120
Navicula distans	80	40		40		120	40	
Navicula transitans var. *derasa*	40							
Navicula transitans var. *derasa* f. *delicatula*			40					
Pennate diatom		560	120		80	80	40	40
Phaeocystis pouchetii								40
Pleurosigma / Gyrosigma					40			
Pleurosigma angulatum						40		
Pleurosigma strigosum	40						40	40
Prorocentrum micans	40							
Pseudo-nitzschia delicatissima		160		40	40			
Pseudo-nitzschia delicatissima group			80					80
Rhizosolenia setigera	40							
Skeletonema costatum	40	40					40	
Thalassionema nitzschioides	80	40			80	80		
Thalassiosira anguste-lineata				40				
Thalassiosira gravida	40	40						
Thalassiosira nordenskioeldii				40				
Thalassiosira punctigera				80	80			
Thalassiosira spp.	40	40	120	80	40	40	120	80
Tintinnida	160	560	40	40	80	40	120	160
Tintinnopsis beroidea						40		
Unarmoured dinoflagellate	40							40
16-Mar-10								
Alexandrium fundyense	40	200						
Alexandrium fundyense (duplet)		80						

16-Mar-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Apedinella radians								40
Armoured dinoflagellate	40		40	80			40	
Asterionellopsis glacialis		40			40			40
Ceratium lineatum		40						
Ceratium tripos			40					
Chaetoceros concavicornis								40
Chaetoceros convolutus f. *trisetosa*		40						
Chaetoceros debilis								40
Chaetoceros similis	40						80	80
Chaetoceros spp. (Hyalochaete)			80	80			120	240
Commation cryoporinum	40		40					
Copepoda				40				
Corethron hystrix								40
Coscinodiscus radiatus				120				
Coscinodiscus spp.				40	40	40		
Cylindrotheca closterium	720	520	480	320	80	520	40	760
Dictyocha speculum	120	80	80	40		40		80
Dinobryon spp.							40	
Eutreptiella sp.			40					120
Favella spp.					40			
Guinardia delicatula		40		40				
Gyrodinium spp.	40	280	40	40	80	40	40	
Gyrosigma fasciola	40							
Heterocapsa triquetra			40				40	
Laboea sp.				120	40			40
Mesodinium rubrum	920	1080	840	840	440		320	720
Navicula distans	200		40			80	40	40
Navicula transitans var. *derasa* f. *delicatula*	40		80	40	40	40		
Odontella aurita								40
Pennate diatom		40				200	80	
Pleurosigma angulatum							80	
Porosira glacialis								40
Prorocentrum micans					40			
Protoperidinium spp.		40						
Pseudo-nitzschia delicatissima				80				
Rhizosolenia hebetata f. *semispina*			80					
Rhizosolenia setigera	40			40		40		
Skeletonema costatum	160	240					40	
Stephanopyxis turris	40							40
Thalassionema nitzschioides		40						
Thalassiosira anguste-lineata				40				
Thalassiosira gravida								40
Thalassiosira nordenskioeldii	200					40		360
Thalassiosira punctigera						40		
Thalassiosira spp.	280	40	120	80	80	280	80	920
Tintinnida	440	520	200	360	160	80	120	560
Unarmoured dinoflagellate	120	80			40			40
13-Apr-10								
Alexandrium fundyense			288					

13-Apr-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Amphidinium carterae	96							
Amphidinium sphenoides		40						
Armoured dinoflagellate				144			40	
Asterionella formosa							120	
Asterionellopsis glacialis					120	40		144
Aulacoseira ambigua							40	
Brachionus spp.								144
Ceratium longipes		40	144					
Chaetoceros concavicornis		120						
Chaetoceros convolutus / concavicornis	96							
Chaetoceros debilis	384	80	720				240	576
Chaetoceros decipiens					40	40		
Chaetoceros filiformis							80	
Chaetoceros similis		40	144				40	
Chaetoceros spp. (Hyalochaete)	1728	360	3888	2448	600	80	1040	7632
Chaetoceros spp. (Phaeoceros)					40			
Chaetoceros teres	96							144
Commation cryoporinum	96						40	
Coscinodiscus radiatus					40			
Cylindrotheca closterium	672	280	864	432	160	240	80	144
Dactyliosolen fragilissimus		40						
Dictyocha speculum	192			144	120			
Dinobryon spp.							160	
Ditylum brightwellii				144				
Eutreptiella sp.	96						80	576
Gyrodinium spp.	480	40			40	80	80	
Leptocylindrus minimus		40	144					
Licmophora spp.	96							
Mediopyxis helysia	96							
Melosira nummuloides							40	
Mesodinium rubrum	2496	200	4464	288	80		3040	576
Navicula distans	96	80			240	120	120	
Navicula transitans var. *derasa* f. *delicatula*	288		144		120		40	
Odontella aurita				144				
Oxytoxum gracile	96							
Pennate diatom		80	288				80	144
Pleurosigma angulatum						40		
Pleurosigma strigosum						40		
Porosira glacialis	96	40						144
Prorocentrum minimum			144					
Protoperidinium spp.				288				144
Pseudo-nitzschia delicatissima group	192	120						288
Rhizosolenia hebetata f. *semispina*						40		
Skeletonema costatum	96	40	144				40	144
Stephanopyxis turris	192	120		144				576
Thalassionema nitzschioides	96							
Thalassiosira anguste-lineata	96					40	40	
Thalassiosira gravida					120	120		
Thalassiosira nordenskioeldii	6624	3760	17280	19152	1840	520	5560	37296

13-Apr-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira sp. (tiny)					80			
Thalassiosira spp.	15456	9640	25056	43056	18280	5720	13520	46512
Tintinnida	1440		1440		120		480	1584
Unarmoured dinoflagellate		40		864	40		160	720
4-May-10								
Alexandrium fundyense	80	200	120	120	120	520		40
Alexandrium fundyense (duplet)				40				
Amphidinium sphenoides	200	200	40	200	280	120	80	280
Armoured dinoflagellate	200		80	680	40	360	80	280
Asterionellopsis glacialis				240	40	120		
Attheya longicornis		120	320					480
Attheya septentrionalis	480						200	
Aulacoseira ambigua			40					
Chaetoceros constrictus	40							
Chaetoceros convolutus / concavicornis			40					
Chaetoceros convolutus f. *trisetosa*	120	120	40				200	40
Chaetoceros debilis	520	960	640	1640	400	240	800	2760
Chaetoceros decipiens					40			40
Chaetoceros diadema	80		40		40		80	
Chaetoceros furcellatus	240	80		760	120	360	1160	80
Chaetoceros laciniosus	1200	1280	1720	1440			400	760
Chaetoceros similis	200						160	
Chaetoceros socialis	7720	2120	4000	280	360		2160	
Chaetoceros spp. (Hyalochaete)	1560	2960	4480	6640	1080	400	4880	13440
Chaetoceros teres		40	40	40		40	80	80
Copepoda						40		
Coscinodiscus concinnus							40	
Cylindrotheca closterium	400	40	120		120	160	240	240
Dactyliosolen fragilissimus			240			40		
Dictyocha speculum								40
Dinophysis norvegica		40						
Eutreptiella sp.	160	40	200					120
Guinardia delicatula	40				40			
Gyrodinium spp.	120	40	200	1360	280	120	280	520
Heterocapsa triquetra								40
Laboea sp.		40					40	360
Leptocylindrus minimus	240	200	120				240	440
Mesodinium rubrum	320	280	40	1400	40		760	2520
Navicula distans	40	40	40	40	40	40	80	
Navicula transitans var. *derasa* f. *delicatula*			80			80		120
Pennate diatom								80
Phaeocystis pouchetii	80	40					120	
Porosira glacialis	120	80		40	40			160
Protoperidinium ovatum			40					
Protoperidinium spp.	40	40						40
Pseudo-nitzschia delicatissima	1320	1440	1120	400	80	40	800	2480
Pseudo-nitzschia seriata								120
Rhizosolenia hebetata f. *semispina*			40		40			
Scrippsiella trochoidea								40

4-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Stephanopyxis turris	40	120	240	200	40	80		80
Thalassiosira anguste-lineata							40	
Thalassiosira gravida	200	40	320	200			40	
Thalassiosira nordenskioeldii	400	520	1480	3240	120	120	800	760
Thalassiosira spp.	200	680	4760	25280	3960	1440	320	520
Tintinnida	600	520		520	480	80	2040	800
Tintinnopsis beroidea				40		80		
Unarmoured dinoflagellate	400	280	440	480	360	40	520	1440
11-May-10								
Amphidinium carterae								40
Amphidinium sphenoides							480	600
Armoured dinoflagellate								80
Attheya septentrionalis							80	440
Chaetoceros convolutus f. *trisetosa*							120	80
Chaetoceros debilis							880	3840
Chaetoceros diadema								120
Chaetoceros furcellatus							480	3320
Chaetoceros laciniosus							40	520
Chaetoceros similis							200	
Chaetoceros socialis							1680	960
Chaetoceros spp. (Hyalochaete)							440	6400
Chaetoceros subtilis								40
Chaetoceros teres							120	120
Cylindrotheca closterium							280	320
Dactyliosolen fragilissimus							80	
Eutreptiella sp.							80	40
Gyrodinium spp.							760	40
Laboea sp.							40	
Leptocylindrus minimus							120	720
Mesodinium rubrum							3040	80
Navicula distans							80	
Pennate diatom							80	80
Phaeocystis pouchetii							40	
Porosira glacialis								120
Pseudo-nitzschia delicatissima							920	3240
Thalassiosira nordenskioeldii							80	120
Thalassiosira spp.							40	80
Tintinnida							960	40
Unarmoured dinoflagellate							1400	360
Urosolenia eriensis								40
12-May-10								
Alexandrium fundyense			144	120				
Amphidinium sphenoides			1008	578	1440	80		
Armoured dinoflagellate			144		144			
Attheya septentrionalis			288					
Chaetoceros contortus			144			80		
Chaetoceros convolutus			144					
Chaetoceros convolutus f. *trisetosa*			432					
Chaetoceros debilis			5760	26010	4896	80		

12-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros decipiens			144					
Chaetoceros diadema				578	288			
Chaetoceros furcellatus			432	2312	144	240		
Chaetoceros laciniosus			5616	2312				
Chaetoceros socialis			25920	5780	4032			
Chaetoceros spp. (Hyalochaete)			6048	25432	21600	160		
Chaetoceros spp. (Phaeoceros)				578	144			
Chaetoceros teres					288			
Copepoda						80		
Cylindrotheca closterium				1156	144	80		
Eutreptiella sp.			288	578	144			
Guinardia flaccida						40		
Gyrodinium spp.			288	2890	1008	240		
Leptocylindrus minimus			144	578				
Mediopyxis helysia						40		
Mesodinium rubrum			1440	1156	144	40		
Navicula distans						40		
Navicula transitans var. *derasa* f. *delicatula*			144		144			
Pennate diatom			288					
Porosira glacialis			288	1156				
Prorocentrum minimum			144	578				
Pseudo-nitzschia delicatissima			4032	3468	1008			
Stephanopyxis turris			432		576			
Thalassionema nitzschioides				578				
Thalassiosira gravida			144					
Thalassiosira nordenskioeldii			4896	93636	22608	120		
Thalassiosira spp.			2880	41616	34128	160		
Tintinnida			720	578	1008			
Unarmoured dinoflagellate			1296					
13-May-10								
Alexandrium fundyense		96						
Amphidinium sphenoides	400	480						
Armoured dinoflagellate		192						
Asterionellopsis glacialis	160	96						
Attheya septentrionalis		1248						
Brachionus spp.	40							
Chaetoceros contortus		192						
Chaetoceros convolutus f. *trisetosa*	240	480						
Chaetoceros debilis	1520	5760						
Chaetoceros decipiens		384						
Chaetoceros diadema	40							
Chaetoceros furcellatus	560	192						
Chaetoceros laciniosus	840	2400						
Chaetoceros similis		192						
Chaetoceros socialis	8120	18432						
Chaetoceros spp. (Hyalochaete)	1960	6144						
Chaetoceros teres	40							
Cylindrotheca closterium	320	96						
Dactyliosolen fragilissimus	120							

13-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Eutreptiella sp.	160	384						
Gyrodinium spp.	120	768						
Leptocylindrus minimus	200	288						
Mesodinium rubrum	1240	384						
Navicula distans	80							
Navicula transitans var. *derasa* f. *delicatula*	40	96						
Pennate diatom	120							
Phaeocystis pouchetii	160	480						
Porosira glacialis	200							
Protoperidinium spp.	40							
Pseudo-nitzschia delicatissima	1560	5280						
Skeletonema costatum	40							
Stephanopyxis turris		672						
Thalassiosira gravida	40							
Thalassiosira nordenskioeldii	760	4896						
Thalassiosira spp.	720	3072						
Tintinnida	160	192						
Unarmoured dinoflagellate	240	1440						
18-May-10								
Alexandrium fundyense		80	96	193			80	
Amphidinium sphenoides	480	240	192	1737	864		400	3456
Armoured dinoflagellate	80	120	672	772	432		80	576
Asterionellopsis glacialis	40	40		386		80		
Attheya septentrionalis	320	40	864					
Brachionus spp.	40							
Chaetoceros contortus	40	160	96	386	288	80	40	144
Chaetoceros convolutus f. *trisetosa*	120	80	288				280	432
Chaetoceros debilis	4040	5320	5760	4053	8928	2120	2800	23616
Chaetoceros decipiens	40						40	
Chaetoceros diadema	40	40			144	40		
Chaetoceros furcellatus	440	200	288	1544	2160	1240	680	1728
Chaetoceros laciniosus	1120	3040	2976	965	144			432
Chaetoceros pseudobrevis				193				
Chaetoceros similis							280	144
Chaetoceros socialis	1040	800	1632		720		80	1440
Chaetoceros spp. (Hyalochaete)	1160	3400	3840	66470	9648	760	120	1728
Chaetoceros teres	40			193				
Commation cryoporinum								144
Copepoda								144
Cylindrotheca closterium	240	760	480	772		320	360	864
Dactyliosolen fragilissimus	240	40	192				40	1008
Eutreptiella sp.	240	120	96				40	1584
Guinardia delicatula	40						40	
Gyrodinium spp.	120	160	288	1351			280	864
Gyrosigma fasciola	40							
Laboea sp.			96	193			80	
Leptocylindrus danicus							80	
Leptocylindrus minimus	480			579			1840	4896
Mesodinium rubrum	1880	440	1344	3088			2360	2304

18-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Navicula distans	80	40			144	160	120	144
Navicula transitans var. *derasa* f. *delicatula*				193	288		40	
Pennate diatom		40		386		40		
Phaeocystis pouchetii	1440	280	576				440	1296
Porosira glacialis	80	120						288
Pseudo-nitzschia delicatissima	920	1520		2509	432	240	2560	10800
Pseudo-nitzschia delicatissima group			1728					
Pseudo-nitzschia seriata group		320						
Scrippsiella trochoidea				193				
Stephanopyxis turris	160	200	288	386	144	40	40	576
Thalassionema nitzschioides	40			193				
Thalassiosira baltica		40						
Thalassiosira gravida							80	
Thalassiosira nordenskioeldii	2160	5480	4704	145078	33696	1680		864
Thalassiosira spp.	2080	1960	2112	33235	24336	6440	120	
Tintinnida	400	640	480	772	720		160	1584
Unarmoured dinoflagellate	240	520	1152				320	720
25-May-10								
Alexandrium fundyense							40	
Amphidinium sphenoides							360	
Apedinella radians							80	
Armoured dinoflagellate							440	
Attheya septentrionalis							1080	
Chaetoceros convolutus f. *trisetosa*							1520	
Chaetoceros debilis							7600	
Chaetoceros pseudocrinitus							40	
Chaetoceros similis							1320	
Chaetoceros socialis							1200	
Chaetoceros spp. (Hyalochaete)							680	
Copepoda							40	
Cylindrotheca closterium							2360	
Eutreptiella sp.							80	
Guinardia delicatula							40	
Gyrodinium spp.							120	
Laboea sp.							200	
Leptocylindrus danicus							240	
Leptocylindrus minimus							13840	
Mesodinium rubrum							4360	
Navicula distans							40	
Pennate diatom							40	
Phaeocystis pouchetii							6600	
Porosira glacialis							240	
Prorocentrum minimum							160	
Protoperidinium spp.							40	
Pseudo-nitzschia delicatissima							5640	
Thalassiosira gravida							120	
Thalassiosira nordenskioeldii							120	
Thalassiosira spp.							360	
Tintinnida							1360	

25-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnopsis beroidea							40	
Unarmoured dinoflagellate							480	
1-Jun-10								
Alexandrium fundyense	432	384	160	144	1008			144
Alexandrium fundyense (duplet)			40					
Alexandrium ostenfeldii				144				
Amphidinium sphenoides	288		80			80	288	144
Apedinella radians	576	288	800					576
Armoured dinoflagellate	144	288	720	432	1872		144	2736
Asterionellopsis glacialis				576		200		
Attheya longicornis	2304	2880	800				1584	
Brachionus spp.	144						144	144
Cerataulina pelagica								288
Ceratium longipes					288			
Chaetoceros contortus	5472	9984	5720	36992	35280	5560	288	2304
Chaetoceros convolutus f. *trisetosa*	720	672	320				2160	4032
Chaetoceros danicus								144
Chaetoceros debilis	13824	12096	7760	84388	20448	6360	7056	7776
Chaetoceros furcellatus							144	
Chaetoceros laciniosus	720	480	280				432	
Chaetoceros pseudobrevis			160	288				
Chaetoceros pseudocrinitus							144	144
Chaetoceros radicans			200	144		160		
Chaetoceros similis	864	480	40	144		40	4752	1296
Chaetoceros simplex			80				144	
Chaetoceros socialis	2160	5088	520	288			2736	3456
Chaetoceros spp. (Hyalochaete)	864	960	2560	3024	1728	4560	1008	1728
Chaetoceros spp. (Phaeoceros)		96		144				
Copepoda		96						
Cylindrotheca closterium	4752	3552	1840	6336	1584	2760	5904	2880
Dactyliosolen fragilissimus	144	288	80	288	144	40		576
Dictyocha speculum	288		280	144	144	40		
Dinophysis acuminata			80	432				
Dinophysis norvegica			40					144
Ditylum brightwellii		192						
Ebria tripartita								1584
Eucampia zodiacus							144	
Eutreptiella sp.	2880	192	640					432
Guinardia delicatula	432	96	40	288			720	432
Gyrodinium spp.			40			120	144	
Heterocapsa triquetra	144		80					432
Laboea sp.			160		288			288
Leptocylindrus danicus			80		432		576	1440
Leptocylindrus minimus	28080	2016	5280	11376	3456	1960	203374	356738
Licmophora spp.								288
Mediopyxis helysia						120		
Mesodinium rubrum	12096	4224	2640	432	4464	40	8064	3744
Navicula distans			80	144		80		
Navicula transitans var. *derasa* f. *delicatula*						80		

1-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pennate diatom		96	200	144				
Phaeocystis pouchetii		96						
Porosira glacialis		96		144	576		432	288
Prorocentrum minimum	720	1056	1560		3024			864
Protoperidinium bipes	144							144
Protoperidinium brevipes		96	40					
Protoperidinium denticulatum					144			
Protoperidinium ovatum		192						
Protoperidinium spp.	144		120					288
Pseudo-nitzschia delicatissima	7344	4032	640	4608	1008	720	18864	20592
Pseudo-nitzschia fraudulenta				288	864	120		
Pseudo-nitzschia pungens					144	200		
Pseudo-nitzschia seriata	288	192	600		3456			
Pseudo-nitzschia seriata group	288	480		2016		280	144	144
Pseudo-nitzschia subpacifica				144				
Rhizosolenia hebetata f. *semispina*		96					144	
Scrippsiella sp.						40		
Scrippsiella trochoidea					144			144
Skeletonema costatum	144		40	144				
Stephanopyxis turris		288	80	432	288	200	144	
Thalassionema nitzschioides					144	80		144
Thalassiosira anguste-lineata			40			40	144	
Thalassiosira gravida					144	40	720	720
Thalassiosira nordenskioeldii	288	288	40	2304	1440	360		144
Thalassiosira punctigera						40		
Thalassiosira sp. (tiny)						80		
Thalassiosira spp.	432	192	200	4320	2880	360	288	288
Tintinnida	2736	576	1600		2592		288	1584
Tintinnopsis beroidea				144				
Unarmoured dinoflagellate	288		120				432	720
8-Jun-10								
Alexandrium fundyense	2448	3168	2160		288			288
Alexandrium fundyense (duplet)	288	144	144					
Alexandrium ostenfeldii		144						
Apedinella radians	4896	12528	3456					
Armoured dinoflagellate	288	1584	2304	578	144		720	3024
Asterionellopsis glacialis	144	144			288	320		
Attheya longicornis	144		144					
Attheya spp.					1152			
Calliacantha sp.	144							
Cerataulina pelagica							288	1008
Ceratium longipes		144	288					
Ceratium tripos	144							
Chaetoceros contortus	8208	22752	14976	70227	33524	2040	720	3024
Chaetoceros convolutus f. *trisetosa*	288	720	720				2592	1152
Chaetoceros debilis	7488	6624	6624	27744	41616	2480	2304	576
Chaetoceros decipiens	144							
Chaetoceros furcellatus	144							
Chaetoceros pseudobrevis				289				

8-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros pseudocrinitus								144
Chaetoceros radicans		144	144		288			
Chaetoceros similis	1296	288	1296		144		2448	144
Chaetoceros socialis	3024	3744	2160		432		1872	288
Chaetoceros spp. (Hyalochaete)	720	2304	5184	5780	720	840	1584	3168
Chaetoceros spp. (Phaeoceros)			144					
Commation cryoporinum	144							144
Copepoda					144			144
Coscinodiscus radiatus			144					
Cylindrotheca closterium	4608	4176	2592	2023	5472	880	10656	2160
Dictyocha speculum	432	1008	720	578	144			
Dinophysis acuminata	144			289				
Dinophysis norvegica			288	289				
Dinophysis pulchella			144					
Ebria tripartita	864	576	1008				3312	5616
Entomoneis spp.				289				
Eucampia groenlandica							144	
Eutreptiella sp.	1440	1584	2448				144	1296
Guinardia delicatula	288	576	432	1445	144		432	576
Gyrodinium spp.	576				720		144	
Helicostomella spp.								864
Heterocapsa triquetra	432	576	720					
Laboea sp.	720			867				
Leptocylindrus danicus		288					1152	1440
Leptocylindrus minimus	20736	14544	44496	60979	16128	1560	439956	593274
Licmophora spp.		288				40		144
Mediopyxis helysia					144	40		
Mesodinium rubrum	11232	2448	2592	2601		120	432	13536
Navicula distans						80		
Navicula transitans var. *derasa* f. *delicatula*	144							
Pennate diatom	576				144		288	
Porosira glacialis							288	
Prorocentrum minimum	2160	7632	4896	867	432		288	1872
Prorocentrum sp. (small)			144					
Protoperidinium bipes							432	1296
Protoperidinium spp.						40		
Pseudo-nitzschia delicatissima		1584	432	2312	720	80	18576	1008
Pseudo-nitzschia delicatissima group	1296							
Pseudo-nitzschia fraudulenta						120		
Pseudo-nitzschia pseudodelicatissima					288			
Pseudo-nitzschia pungens				1156		80		
Pseudo-nitzschia seriata	576	864	576		4176			
Pseudo-nitzschia seriata group	144	288					288	
Pseudo-nitzschia subpacifica				289				
Rhizosolenia styliformis								432
Stephanopyxis turris					576			
Thalassiosira anguste-lineata	144							
Thalassiosira baltica				289		40		
Thalassiosira gravida					144		288	

8-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira nordenskioeldii	288		144		288			
Thalassiosira punctigera						40		
Thalassiosira spp.	144	432	144	2890	1008	40	144	144
Tintinnida	3168	1872	1872	3757	720	40	864	2736
Tintinnopsis beroidea					576	360		
Unarmoured dinoflagellate	288	576	720		144		288	1728
15-Jun-10								
Alexandrium fundyense	576	3168	1008				193	144
Amphidinium sphenoides							193	
Amylax triacantha								144
Apedinella radians	288	4752	864					720
Armoured dinoflagellate	432	1584	576	864	40		1158	864
Asterionellopsis glacialis		144	576		80	40		
Attheya longicornis			1440					1152
Cerataulina pelagica		144	144				2895	2304
Ceratium horridum			144					
Chaetoceros affinis					40			
Chaetoceros contortus	18144	17280	27936	68204	13560	2400		2304
Chaetoceros convolutus	144							
Chaetoceros convolutus f. *trisetosa*							4053	144
Chaetoceros debilis	16848	3744	10944	8928	7000	1840	772	2304
Chaetoceros decipiens		144						
Chaetoceros diadema		144						
Chaetoceros furcellatus						40		
Chaetoceros laciniosus	288	144						
Chaetoceros radicans	144		432		360	80		
Chaetoceros similis	288	144	144				4053	144
Chaetoceros socialis	15984	8640	35712		280		10229	46080
Chaetoceros spp. (Hyalochaete)	864	144	1440	864	200	240	579	720
Chaetoceros tenuissimus							193	
Copepoda				288				
Cylindrotheca closterium	7920	1728	4032	2736	2240	640	20265	2592
Dactyliosolen fragilissimus					120		193	288
Dictyocha speculum	576	720	144	288	80			432
Dinophysis acuminata		144						1296
Dinophysis norvegica								144
Dinophysis pulchella			144					288
Ebria tripartita	1296	2160	2160	720	80		3667	1728
Eutreptiella sp.	1440	1008	576	144				1296
Guinardia delicatula	1296		720	432	400	360	3667	2304
Gyrodinium spp.	288	144					193	432
Helicostomella spp.			144					1872
Heterocapsa triquetra	432	288	288					432
Laboea sp.	576		144	288				144
Leptocylindrus danicus	144	144	144	432		40	772	1872
Leptocylindrus minimus	864	576	144	144	280	200	230046	1152
Licmophora spp.		288						
Mediopyxis helysia				144				
Membraneis challengeri					40			

15-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Mesodinium rubrum	2880	3024	4752	720	120		2123	7488
Navicula distans			144		80	120		
Navicula transitans var. *derasa* f. *delicatula*				144				
Paralia sulcata				144		40		
Pennate diatom			144	288			1158	288
Prorocentrum minimum	576	4608	1440	432			386	3888
Prorocentrum sp. (small)				144				
Protoperidinium bipes	288	432	432	144			3088	1728
Protoperidinium brevipes	144	144						
Protoperidinium depressum				144				
Protoperidinium spp.		144		432	40		579	288
Pseudo-nitzschia delicatissima	720	1152	288	288	320	160	36091	1152
Pseudo-nitzschia pungens					240			
Pseudo-nitzschia seriata	720	288	2016		360			720
Pseudo-nitzschia seriata group	576	1152	1584	1008				1008
Rhizosolenia hebetata f. *semispina*								144
Rhizosolenia setigera								144
Scrippsiella trochoidea		144						
Skeletonema costatum	432	288					193	
Stephanopyxis turris			288	144	40			
Thalassionema nitzschioides				144	40	40		
Thalassiosira baltica				288				
Thalassiosira gravida							579	144
Thalassiosira nordenskioeldii		144	144	144	40			
Thalassiosira punctigera			144		40	40		
Thalassiosira sp. (tiny)		144			40			
Thalassiosira spp.	288	144	432	720	320	80	193	144
Tintinnida	1008	6624	2880	288	80		1544	3168
Tintinnopsis beroidea	288				160	80	386	
Unarmoured dinoflagellate		432	576				1158	1296
22-Jun-10								
Acanthostomella norvegica	144							
Alexandrium fundyense	864	13295	28611	2601	280		144	288
Alexandrium fundyense (planozygote)					120			
Alexandrium ostenfeldii					40			
Apedinella radians	720	2312	289				432	
Armoured dinoflagellate	720	6166	4046	2890	40	40	576	144
Asterionellopsis glacialis	1008	965	1156	2312	840	1960		
Attheya longicornis	1440							
Brachionus spp.	144							
Centric diatom						40		
Cerataulina pelagica	2304	1737	1734	1445	120	120	7344	8640
Ceratium horridum	144		289					
Ceratium longipes		193						
Ceratium macroceros				289				
Ceratium tripos					40			
Chaetoceros contortus		1158	867	1734	1120	200		144
Chaetoceros convolutus f. *trisetosa*	144	1351	578				432	
Chaetoceros debilis	5904	2890	2890	16762	11720	4280	432	

22-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros decipiens					80	40		
Chaetoceros furcellatus						80		
Chaetoceros laciniosus		386	578					
Chaetoceros radicans				289	80	560		
Chaetoceros similis							144	
Chaetoceros socialis	63580	72640	107797	224842	51442	10360	64158	72250
Chaetoceros spp. (Hyalochaete)	1296	1158	3179	8959	720	5240	864	576
Commation cryoporinum	144					40		
Copepoda				289				
Coscinodiscus radiatus								144
Cylindrotheca closterium	3744	6358	578		3160	4320	22464	288
Dactyliosolen fragilissimus				867				
Dictyocha speculum	1008	1351	867		120	80	288	288
Dinophysis acuminata		193	289	2601				144
Dinophysis norvegica			289				144	
Dinophysis pulchella	144		578					
Ditylum brightwellii				289				
Ebria tripartita	144	193	289	289				288
Entomoneis spp.						200		
Eucampia zodiacus						40		
Eutreptiella sp.	1152	7129	578	578			288	432
Gonyaulax spinifera		193	289					
Guinardia delicatula	4176	1737	2890	5202	1720	1520	8784	4176
Guinardia flaccida							288	
Gyrodinium spp.	576	193	289		200	200	1296	
Helicostomella spp.		386		867			432	432
Heterocapsa triquetra	576	3661	4046	1445				288
Laboea sp.				289				144
Leptocylindrus danicus	144	193	867		120	40		
Leptocylindrus minimus	144	579	289					
Licmophora spp.		193						
Mediopyxis helysia	144			867	240	200		
Mesodinium rubrum	5328	6936	2890	6936	160	120	4464	19872
Navicula distans					80		144	
Navicula transitans var. *derasa* f. *delicatula*			289					
Odontella aurita						40		
Pennate diatom			867					144
Preperidinium meuneri		193		289				
Prorocentrum minimum	720	1927	2312	578			576	576
Protoperidinium americanum		193						
Protoperidinium bipes		193					720	
Protoperidinium denticulatum				289				
Protoperidinium ovatum		193						
Protoperidinium spp.		193	289	289	40	40		
Pseudo-nitzschia delicatissima	576	2312	1445	578			2016	
Pseudo-nitzschia delicatissima group					360	360		144
Pseudo-nitzschia fraudulenta						400		
Pseudo-nitzschia pungens					120			
Pseudo-nitzschia seriata	1440	1927		6069	2800		432	288

22-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia seriata group	1152	193	1445				576	
Rhizosolenia hebetata f. *semispina*	144							
Scrippsiella sp.			1445					
Scrippsiella trochoidea		193						
Skeletonema costatum	1152	772	289			40	144	
Stephanopyxis turris		193		289	200	40		
Thalassionema nitzschioides					160	40		
Thalassiosira anguste-lineata	144	772		578	280	80		
Thalassiosira baltica	144			289	400	120		
Thalassiosira gravida	144						288	
Thalassiosira nordenskioeldii					40			
Thalassiosira punctigera	144							
Thalassiosira sp. (tiny)	720				240	200		
Thalassiosira spp.	576	386	578	3179	760	760	576	144
Tintinnida	2160	14258	3468	9537	280	280	7200	13104
Tintinnopsis beroidea					160	280	144	
Unarmoured dinoflagellate	576	1544	1445			40	1728	720
29-Jun-10								
Alexandrium fundyense	39593	4176	58089	15640	2120	360	1440	11560
Alexandrium fundyense (cyst)						40		
Alexandrium fundyense (duplet)	289		2312	200	40			289
Alexandrium fundyense (fusing)	289							
Alexandrium fundyense (planozygote)		144	2023	240	120	280		
Alexandrium ostenfeldii	289				40			
Amphidinium carterae	289							
Amphidinium sphenoides				40				
Amylax triacantha				40	40			578
Apedinella radians		576	1156					
Armoured dinoflagellate	3179	1008	3179	1280	120			1734
Asterionellopsis glacialis	289	288		200	880	2160		
Attheya longicornis	578							
Cerataulina pelagica	4624	10656	12427	2600	2920	320	15552	9248
Ceratium horridum				120				
Ceratium lineatum		720		80		40		
Ceratium longipes		432		320	40		144	578
Ceratium tripos				40				
Chaetoceros borealis				80				
Chaetoceros contortus				80	40	80		
Chaetoceros convolutus f. *trisetosa*	1156	864	1734				720	
Chaetoceros debilis	1156	1152	289		240			
Chaetoceros decipiens					80			
Chaetoceros laciniosus	578	432		80				
Chaetoceros similis			1445				432	
Chaetoceros socialis	118779	263568	32946	147390	180914	15720	39744	139876
Chaetoceros spp. (Hyalochaete)	1445	1008	289	720	1080	440	288	
Commation cryoporinum					40			
Copepoda		288				40		289
Corethron hystrix			578					
Cylindrotheca closterium	1156	2016	2312	680	840	1360	24048	867

29-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dactyliosolen fragilissimus							144	
Dictyocha speculum	289	432	1734	240	240	40	288	2601
Dinophysis acuminata	1445	2880	578	560	200			1445
Dinophysis acuta				40				
Dinophysis norvegica	289	1152		320	40			289
Dinophysis pulchella			289					289
Ebria tripartita		576						
Eucampia zodiacus		144						
Eutreptiella sp.	2890	5184	1445	320			576	2312
Gonyaulax spinifera		144						
Guinardia delicatula	3757	1440	578	1280	1240	520	16272	9248
Guinardia flaccida							144	
Gyrodinium spp.	289	144	1156	400	120	200	144	289
Helicostomella spp.		1152		40				867
Heterocapsa triquetra	8381	864	4913	1720	40		288	3757
Laboea sp.				680	120		288	
Leptocylindrus danicus		288			40			
Leptocylindrus minimus				40		40	144	289
Licmophora spp.				40				
Mediopyxis helysia		144		40		240		
Mesodinium rubrum	9248	7776	8670	1400	40	240	5040	25721
Micracanthodinium claytonii						40		
Navicula distans	289	144		240		160	144	
Pennate diatom		432	578	80				
Prorocentrum minimum	1445	864		280			288	289
Prorocentrum sp. (small)			289					
Protoperidinium bipes		288					144	
Protoperidinium brevipes				80				
Protoperidinium conicum					40			
Protoperidinium ovatum	289							
Protoperidinium spp.	289	144		120	40			
Protoperidinium steinii				120				
Pseudo-nitzschia delicatissima	578	720	867	880	520	120	720	
Pseudo-nitzschia pseudodelicatissima						200		
Pseudo-nitzschia pungens					80	40		
Pseudo-nitzschia seriata	289		289	40	120	80	144	
Pseudo-nitzschia seriata group		144	289	80			144	
Pseudo-nitzschia subpacifica						80		
Scrippsiella sp.	289						144	
Scrippsiella trochoidea	289							289
Skeletonema costatum		1440	289				432	
Stephanopyxis turris		288			120			
Thalassionema nitzschioides	289			120	40		288	
Thalassiosira anguste-lineata		144		400	120			
Thalassiosira baltica	578		578	400	200	600		
Thalassiosira gravida				240	40		144	
Thalassiosira sp. (tiny)			289					
Thalassiosira spp.		432		200	480	240	2160	
Tintinnida	5491	4896	3179	920	160	80	3024	14739

29-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnopsis beroidea					160			
Unarmoured dinoflagellate	867	1440	2601	200	120		864	867
6-Jul-10								
Actinoptychus senarius					80			
Alexandrium fundyense	9936	44506	14739	5491	80			1160
Alexandrium fundyense (planozygote)		2023	289		80			40
Alexandrium ostenfeldii								40
Amylax triacantha								40
Apedinella radians	288							
Armoured dinoflagellate	3600	15895	4624	2601	40	200	288	520
Asterionellopsis glacialis					160	840		
Centric diatom						40		
Cerataulina pelagica	8640	7803	2312	867	560	2400	1584	80
Ceratium horridum								320
Ceratium lineatum		289						40
Ceratium longipes	144		1156	578				800
Ceratium spp.			578					
Chaetoceros constrictus						40		
Chaetoceros contortus	144		289	578				
Chaetoceros convolutus / concavicornis						40		
Chaetoceros convolutus f. *trisetosa*	144	1734					288	40
Chaetoceros debilis		289			40		144	
Chaetoceros furcellatus						40		
Chaetoceros radicans			289		40	40		
Chaetoceros similis							1728	360
Chaetoceros socialis	180336	208658	261256	490722	153748	7680	128894	13200
Chaetoceros spp. (Hyalochaete)	432	867	867	4335	200	440	288	200
Commation cryoporinum	144				40		144	
Copepoda							144	120
Coscinodiscus radiatus					80			
Cylindrotheca closterium	1584	1156	1734	1156	1880	2040	5904	120
Dactyliosolen fragilissimus	144					40		
Dictyocha speculum	288	578		1156			144	800
Dinophysis acuminata	1008	1445	867	3179				360
Dinophysis norvegica	288			289	40		144	160
Dinophysis pulchella								80
Ebria tripartita	144		289					200
Entomoneis spp.					40	80		
Eucampia zodiacus							288	
Eutreptiella sp.	432	867	578				144	520
Gonyaulax digitale							288	
Gonyaulax spinifera		289	289				144	40
Guinardia delicatula	4032	2312	4913	3179	2880	1440	42480	6520
Gyrodinium spp.	1152	2023		578	400	40	144	
Helicostomella spp.		1445		289				1800
Heterocapsa triquetra	15984	73984	867	7514			432	6040
Laboea sp.				1156	80			
Lauderia annulata				289				
Leptocylindrus minimus	288			289		40		

6-Jul-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Licmophora spp.		289						
Mediopyxis helysia						40		
Mesodinium rubrum	5040	3179	578	4624	160		4176	9280
Navicula distans				289	40		144	
Navicula transitans var. *derasa*							144	
Navicula transitans var. *derasa* f. *delicatula*	288		289		40			
Pleurosigma strigosum						40		
Prorocentrum minimum	144			578				240
Protoperidinium brevipes				867				
Protoperidinium spp.		289			80			40
Protoperidinium steinii		578		289				
Pseudo-nitzschia delicatissima		1734		1156	200			40
Pseudo-nitzschia delicatissima group	720					320		
Pseudo-nitzschia pseudodelicatissima			2601				432	
Pseudo-nitzschia seriata		289			40			80
Pseudo-nitzschia seriata group							144	
Rhizosolenia hebetata f. *semispina*				289				
Scrippsiella sp.	1440	3757	578	289	40		144	240
Scrippsiella trochoidea	720	578	578	289				
Skeletonema costatum	144	578	289					
Thalassionema nitzschioides					80	160		
Thalassiosira anguste-lineata				289	200		144	
Thalassiosira baltica					200	160	144	
Thalassiosira punctigera					40			
Thalassiosira sp. (tiny)							432	
Thalassiosira spp.	144	289		289		240	576	40
Tintinnida	9648	38437	578	1156	240	40	2592	9040
Tintinnopsis beroidea					80			
Unarmoured dinoflagellate	720	2601		1734		80	432	600
13-Jul-10								
Alexandrium fundyense			432					
Amphidinium sphenoides								96
Amylax triacantha				40				
Apedinella radians			144					
Armoured dinoflagellate	1440	1152	3024	240		40	1584	768
Asterionellopsis glacialis						160		96
Attheya longicornis							288	
Cerataulina pelagica				40	200	40	576	288
Ceratium horridum		144		40				
Ceratium lineatum	144							
Ceratium longipes	288	144	144	160		40		672
Ceratium macroceros								96
Ceratium spp.							144	
Chaetoceros contortus	432	576	288	320	80	120		
Chaetoceros convolutus f. *trisetosa*	144		720				288	
Chaetoceros debilis		144	720	320		80		
Chaetoceros laciniosus			144					96
Chaetoceros lorenzianus							144	
Chaetoceros radicans				80				

13-Jul-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros similis	144						6192	384
Chaetoceros socialis	344488	230622	402288	339286	10200	21440	97682	99416
Chaetoceros spp. (Hyalochaete)	432	864	576	1040	160	280	720	768
Chrysochromulina parkeae		144						
Commation cryoporinum	144			40				
Copepoda	144		144	40		40		96
Corethron hystrix				40		40		
Cylindrotheca closterium	576	576	1584	960	640	680	6912	1248
Dactyliosolen fragilissimus		144	432	120				
Dictyocha speculum		144	288	120		40	1728	1248
Dinophysis acuminata	576	144	288	80				384
Dinophysis dens				80				
Dinophysis fortii			144					
Dinophysis norvegica			288	40				288
Dinophysis pulchella			288					
Ebria tripartita								96
Entomoneis spp.				40				
Eutreptiella sp.	576	1152	288				2592	576
Gonyaulax spinifera								96
Guinardia delicatula	1728	1296	4320	1800	1640	1320	2880	4608
Guinardia flaccida								96
Gyrodinium spp.	144		576	520	280	200	2592	384
Helicostomella spp.	288	288	288	160				96
Heterocapsa triquetra	10080	6624	9792	40			144	672
Laboea sp.				120				
Lauderia annulata							144	
Leptocylindrus danicus						40	144	
Leptocylindrus minimus	144	144	288	120	120	80	2160	96
Licmophora spp.								96
Mesodinium rubrum	2736	5328	6480	840	360	40	720	2016
Micracanthodinium claytonii								96
Navicula distans				40		80		
Navicula transitans var. *derasa*						80		
Navicula transitans var. *derasa* f. *delicatula*	432							
Pennate diatom		432	144				2880	96
Podon spp.			144					
Proboscia alata						40		
Prorocentrum minimum		144	432				288	
Protoperidinium bipes			288				144	
Protoperidinium brevipes	144		288	40	40			192
Protoperidinium spp.	288			120	80			
Protoperidinium steinii	144			120	40			96
Pseudo-nitzschia americana							576	192
Pseudo-nitzschia delicatissima			432	320	240	200		
Pseudo-nitzschia delicatissima group	288							
Pseudo-nitzschia pseudodelicatissima							864	384
Pseudo-nitzschia seriata								288
Pseudo-nitzschia seriata group	288							
Rhizosolenia imbricata		288	144					

13-Jul-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Scrippsiella sp.	1584	1728	2160	40			288	
Scrippsiella trochoidea	288	144	1440				144	96
Skeletonema costatum	1008	432	720	40	80		3312	96
Stephanopyxis turris			144			120		96
Thalassionema nitzschioides					40	80		
Thalassiosira baltica			144	240	40	40		
Thalassiosira gravida			144	80	40		576	
Thalassiosira spp.	144			80	160	80	1296	480
Tintinnida	9792	8496	14112	400	200	40	3456	1536
Tintinnopsis beroidea			144	80	40	120	1440	480
Unarmoured dinoflagellate	1728	576	4608		40		3888	960
20-Jul-10								
Alexandrium fundyense	144	289						144
Apedinella radians			578				288	
Armoured dinoflagellate	1296	16184	8092	800		40	1008	3168
Asterionellopsis glacialis			578	680	40	400		
Cerataulina pelagica	144			40		40		
Ceratium fusus				80	40			144
Ceratium horridum				80				
Ceratium lineatum				160	40			
Ceratium longipes	144			920	120		432	144
Ceratium tripos				40	40			
Chaetoceros affinis	144			80				
Chaetoceros contortus	288			280	240	80		
Chaetoceros convolutus f. *trisetosa*	576		1445					
Chaetoceros danicus					40			
Chaetoceros didymus								288
Chaetoceros filiformis							1872	
Chaetoceros laciniosus	432							
Chaetoceros lorenzianus					40			144
Chaetoceros similis	288		578	160	40		2880	432
Chaetoceros simplex							144	
Chaetoceros socialis	219062	156060	60979	205768	101728	16480	50544	13392
Chaetoceros spp. (Hyalochaete)	864	1445	867	1840	360	1000	576	144
Chaetoceros spp. (Phaeoceros)					40			
Chaetoceros subtilis								432
Commation cryoporinum					40	80		
Copepoda	144			40		40		288
Corethron hystrix						80		144
Cylindrotheca closterium	4464	3468	6069	3560	3360	1000	3888	432
Dactyliosolen fragilissimus	144			40				
Dictyocha speculum	576		1445	520	120		1008	1152
Dinophysis acuminata	288		289	1080	80		144	1008
Dinophysis norvegica			289	160	120			144
Dinophysis pulchella								144
Ebria tripartita	144	289					288	1440
Entreptiella sp.	3312	2601	3179				6624	2736
Gonyaulax alaskensis		289						
Gonyaulax spinifera		289	289					1008

20-Jul-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Guinardia delicatula		289	578	160	320	320		
Gyrodinium spp.	720	578	3179	400	280	40	144	
Helicostomella spp.			289	40			144	1440
Heterocapsa triquetra	2880	18785	33235	2720			1152	11232
Laboea sp.			289					
Lauderia annulata	144				40			
Leptocylindrus minimus	864	578	867	560	240	160	2736	144
Mediopyxis helysia					120			
Mesodinium rubrum	5472	17051	49997	1280	720		18864	10512
Micracanthodinium claytonii	144							
Navicula distans						80		
Navicula transitans var. *derasa*						40	288	
Navicula transitans var. *derasa* f. *delicatula*	576	289			80	40		432
Oblea sp.				40				
Pennate diatom	11952	4335	8092		40	80	10800	4032
Pleurosigma angulatum				40				
Pleurosigma strigosum	144			40				
Podon spp.								288
Polykrikos spp.				40				
Proboscia alata				40			144	
Prorocentrum minimum	432	289	1445	1160				720
Protoperidinium bipes	288	289						
Protoperidinium brevipes			289	120				
Protoperidinium spp.			289	400	120			
Protoperidinium steinii			289	40				144
Pseudo-nitzschia americana	288	289	289	40			1872	144
Pseudo-nitzschia delicatissima	432	578			1240	400		
Pseudo-nitzschia delicatissima group				3880				
Pseudo-nitzschia pseudodelicatissima	288	289	1445		40	80	1296	
Pseudo-nitzschia pungens				40				
Pseudo-nitzschia seriata				80				
Rhizosolenia hebetata f. *semispina*					40		144	
Rhizosolenia imbricata				40		40		432
Rhizosolenia spp.			289					
Scrippsiella sp.	1008	13294	7225	400			576	1728
Scrippsiella trochoidea	432	1445	2023					3888
Skeletonema costatum	144		5202	840	200	40	3744	
Stephanopyxis turris					40			
Thalassionema nitzschioides			289	280	120	280		
Thalassiosira anguste-lineata				80				
Thalassiosira baltica					200	80		
Thalassiosira gravida		289		240	200		144	
Thalassiosira punctigera				40				
Thalassiosira sp. (tiny)				880	280	80		
Thalassiosira spp.	144			80		480	432	144
Tintinnida	6624	22831	31501	520	120	160	3744	28656
Tintinnopsis beroidea					160			
Unarmoured dinoflagellate	864	2023	6936	160	120	40	1152	1584

27-Jul-10	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Actinoptychus senarius				40		40		
Amphidinium sphenoides		289						289
Apedinella radians			289					
Armoured dinoflagellate	1728	14450	12138	600		120	200	2601
Asterionellopsis glacialis	288			80	400	320		
Attheya longicornis	144							
Aulacoseira ambigua			289			40		
Cerataulina pelagica		289		80				578
Ceratium fusus				120		40		289
Ceratium horridum								289
Ceratium lineatum	144	578	578	360				289
Ceratium longipes	432	289	289	80				289
Ceratium spp.				40				
Ceratium tripos	144			40				578
Chaetoceros contortus	144	289		240	80	120		2023
Chaetoceros convolutus f. *trisetosa*		289					40	
Chaetoceros didymus	144	289	289			40		867
Chaetoceros filiformis							3360	
Chaetoceros lorenzianus						40		
Chaetoceros radicans	288							
Chaetoceros similis			289				840	867
Chaetoceros socialis	47952	16762	53465	12840	1160	640	600	29767
Chaetoceros spp. (Hyalochaete)	288	867	578	480	280	560	160	1445
Commation cryoporinum			289	40			40	
Copepoda	144			80			40	
Corethron hystrix						40	40	
Coscinodiscus radiatus				40				
Coscinodiscus spp.				40				
Cyclotella spp.							360	
Cylindrotheca closterium	2736	3757	4046	2240	3280	2360	4680	1156
Dactyliosolen fragilissimus	432	867		40				
Dictyocha speculum	720	578	289	360			440	18785
Dinophysis acuminata	1008	578	289	640	160	80		867
Dinophysis dens	144							
Dinophysis norvegica	288	578		280				
Ditylum brightwellii				40				
Ebria tripartita	288	6069	1156	40			120	2890
Entomoneis spp.				40	280			
Eutreptiella sp.	3168	3757	5780	80			240	4046
Gonyaulax spinifera		289						289
Guinardia delicatula	576				160	80	40	
Gyrodinium spp.	144	867	867	400			360	
Helicostomella spp.	288			80		40		289
Heterocapsa triquetra	8928	184382	52887	2240				5202
Lauderia annulata	144			80	40	40	40	
Lemnoxia faveolata		1156					160	
Leptocylindrus danicus				40				
Leptocylindrus minimus	576		1156	680	40		1920	578
Mediopyxis helysia					40	40		

27-Jul-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Mesodinium rubrum	6192	13005	10693	400			3880	8381
Navicula distans	432		289	40		80		
Navicula transitans var. *derasa*	288				40			
Navicula transitans var. *derasa* f. *delicatula*			289	40	40	40		
Paralia sulcata							40	
Pennate diatom	16128	6647	18207	160	80	40	1080	32368
Pleurosigma angulatum				40				
Pleurosigma strigosum	144							
Polykrikos spp.				40				
Proboscia alata				40				
Prorocentrum minimum	3312	18496	2890	200				578
Protoperidinium bipes	144	289	289					
Protoperidinium spp.		867	867			40		578
Protoperidinium steinii	432	289		40				289
Pseudo-nitzschia americana	864	2312	867			200	2480	3179
Pseudo-nitzschia pseudodelicatissima	720	11560	2312	1720	1520	640	960	
Rhizosolenia hebetata f. *semispina*	144							
Rhizosolenia imbricata							40	
Rhizosolenia setigera							80	
Rhizosolenia spp.	144							
Scrippsiella sp.	1872	11271	2601	40				578
Scrippsiella trochoidea	576	1445	8381	240			40	4046
Skeletonema costatum	720	24565	6936	240	280	120	10600	
Thalassionema nitzschioides				200	360	360		
Thalassiosira baltica				80		240		
Thalassiosira gravida	144			320	40	80	160	
Thalassiosira punctigera						40		
Thalassiosira sp. (tiny)							1440	
Thalassiosira spp.				40	80	80	160	
Tintinnida	9216	16184	28611	1080	80	280	440	10693
Tintinnopsis beroidea				40	40	80	400	289
Unarmoured dinoflagellate	1296	2312	6358	720	120		320	1734
3-Aug-10								
Alexandrium fundyense	289							
Amphidinium carterae			578					
Amphidinium sphenoides				120				
Amylax triacantha							120	
Apedinella radians			578					289
Armoured dinoflagellate	22542	35836	50864	760			120	5202
Asterionellopsis glacialis						160		
Centric diatom	289							
Cerataulina pelagica							40	
Ceratium fusus				40				
Ceratium lineatum	3179	7514		40			40	1156
Ceratium longipes				120		40	40	
Ceratium tripos		1156						578
Chaetoceros affinis							40	
Chaetoceros contortus		578		120	80	280	480	1156
Chaetoceros debilis							80	289

3-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros decipiens				40				
Chaetoceros didymus				40			160	289
Chaetoceros filiformis							440	
Chaetoceros laciniosus				40			80	578
Chaetoceros radicans					120			
Chaetoceros similis	289	1156	1734				600	
Chaetoceros socialis	14739	578	10404	20160	4680	480	8000	2890
Chaetoceros spp. (Hyalochaete)	289	1156	578	240	320	400	640	1445
Chaetoceros subtilis								289
Commation cryoporinum					80			
Copepoda		578	578	40			40	289
Corethron hystrix				200		40	160	289
Coscinodiscus wailesii	289			80				
Cyclotella spp.							120	
Cylindrotheca closterium	2023	3468	578	2840	4320	1080	3320	289
Dactyliosolen fragilissimus	1156	2890	1734	40	80		80	
Dictyocha speculum	578	578	578	840	40	40	1600	7803
Dinophysis acuminata	1156	3468	1156	280	120		40	1156
Dinophysis fortii			578					
Dinophysis norvegica	289		578	280				
Dinophysis pulchella	289						40	
Ebria tripartita	867	1734	2312	360	40		1240	30923
Entomoneis spp.					400	200		
Eucampia zodiacus				80				
Eutreptiella sp.	13872	1734	9826	360			280	10115
Gonyaulax spinifera	1156	5780	1734	40				578
Guinardia delicatula				40				
Guinardia striata				200				
Gyrodinium spp.	578	1156	5202	160	160		160	289
Heterocapsa triquetra	83521	217328	350846	4760	80		40	33524
Laboea sp.			578	120			280	
Lauderia annulata				680	120	120	80	289
Lennoxia faveolata	578		1156				440	
Leptocylindrus danicus		1156		40		40		578
Leptocylindrus mediterraneus						80		
Leptocylindrus minimus		578		40		40	1840	
Licmophora spp.						40		
Mesodinium rubrum	11271	20808	10404	920	40		12480	28033
Micracanthodinium claytonii	578	578						
Navicula distans	289				80			
Navicula transitans var. *derasa*		2312						
Navicula transitans var. *derasa* f. *delicatula*				320	80		40	
Notholca spp.							40	
Paralia sulcata						200		
Pennate diatom		578	2312		120	320		
Pleurosigma strigosum	289			80	80			
Podon spp.								289
Polykrikos spp.							40	
Proboscia alata						40	40	

3-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Prorocentrum micans							80	289
Prorocentrum minimum	21386	17918		400			120	3757
Protoperidinium bipes							80	
Protoperidinium conicum	289							
Protoperidinium spp.			578	80				
Protoperidinium steinii	289			160				
Pseudo-nitzschia americana	15317	2312	23698	1720	840	160	35080	16762
Pseudo-nitzschia pseudodelicatissima	2023	47974	24276	7960	2760	1400	520	
Pseudo-nitzschia pungens				80			120	289
Pseudo-nitzschia seriata		578						
Rhizosolenia hebetata f. *semispina*							40	
Rhizosolenia imbricata		578					280	4624
Rhizosolenia setigera				40			240	578
Rhizosolenia spp.							40	
Scrippsiella sp.	14161	71672	128316	800				4046
Scrippsiella trochoidea	10693	17340	39882	400			1400	40171
Skeletonema costatum	578	7514	4624	160	80	80	1400	
Thalassionema nitzschioides				40	440	240		
Thalassiosira baltica					80	40	40	
Thalassiosira gravida				480		120	40	
Thalassiosira punctigera				80				
Thalassiosira sp. (tiny)							200	
Thalassiosira spp.				160	80		40	
Tintinnida	23120	60112	130628	3280	400		2120	55488
Tintinnopsis beroidea					40	200	80	
Unarmoured dinoflagellate	3468	12138	24854	640	80		320	2312
10-Aug-10								
Alexandrium fundyense		289						
Amphidinium sphenoides	288			144				
Apedinella radians	288	578	578					
Armoured dinoflagellate	3600	2312	10404	5616	80			1296
Asterionellopsis glacialis	288				80	120		
Ceratium fusus	288			144			144	
Ceratium lineatum	1008	578		1008	40		144	1152
Ceratium longipes	144			288				
Ceratium tripos								432
Chaetoceros contortus	288							144
Chaetoceros didymus								144
Chaetoceros filiformis							720	
Chaetoceros laciniosus					40			288
Chaetoceros lorenzianus					40			
Chaetoceros similis	432	867	578	144			288	432
Chaetoceros socialis	1296			1152	200		144	144
Chaetoceros spp. (Hyalochaete)			2890	864			144	1584
Chaetoceros spp. (Phaeoceros)					40			
Chaetoceros subtilis							144	
Commation cryoporinum					40			
Corethron hystrix	432	289			80	40		576
Coscinodiscus radiatus						40		

10-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Cyclotella spp.								432
Cylindrotheca closterium	2592	867	1156	1296	1840	1080	15984	1872
Dactyliosolen fragilissimus	1728	1734	5202	1296	360	120		864
Dictyocha speculum	720	867		576		40	1728	11232
Dinophysis acuminata	1008	289	5202	1152	40	40		288
Dinophysis dens	144							
Dinophysis pulchella								144
Ditylum brightwellii					40			
Ebria tripartita	288	289	578	288	40		288	18864
Entomoneis spp.					160	40		
Eutreptiella sp.	3312	10982	8670	1152			288	
Gonyaulax spinifera	432	578	6936					576
Guinardia delicatula	720	578	578	1008	480	120		
Gyrodinium spp.	576	578	578	576	40		288	
Heterocapsa triquetra	7344	38148	35258	3744				2016
Hexasterias problematica						40		
Laboea sp.				144				
Lauderia annulata				864	120		144	1296
Lennoxia faveolata		289	578				8064	288
Leptocylindrus danicus		289						1296
Leptocylindrus mediterraneus	144							
Leptocylindrus minimus	288			432	120	40	4752	2016
Mesodinium rubrum	2016	2023	26010	1728		40	4176	6336
Navicula transitans var. *derasa*	288			432	80		144	
Navicula transitans var. *derasa* f. *delicatula*	288			144				
Paralia sulcata						120		
Pennate diatom	864		2312		40	160	144	288
Pleurosigma / Gyrosigma								144
Pleurosigma strigosum	288		578				144	
Proboscia alata		578			120	160		
Prorocentrum micans								1008
Prorocentrum minimum	3024	2890	18496	3312			144	3312
Protoperidinium bipes			1156					
Protoperidinium spp.		289		432	40			288
Protoperidinium steinii	144							
Pseudo-nitzschia americana	288		578		80		2016	1872
Pseudo-nitzschia fraudulenta		578	578					
Pseudo-nitzschia pseudodelicatissima	16704	40749	89590	63002	10640	1040	1008	1008
Pseudo-nitzschia pungens				432	360		1584	8640
Pseudo-nitzschia subpacifica	576		578	1152		40		
Pseudo-nitzschia turgidula				144	80			
Rhizosolenia hebetata f. *semispina*								144
Rhizosolenia imbricata			578			40	1728	2304
Rhizosolenia setigera							576	576
Rhizosolenia spp.			578					144
Scrippsiella sp.	12816	345069	154904	864				2736
Scrippsiella trochoidea	3600	13583	10982	2592	40		576	6048
Skeletonema costatum	6192	12716	63002	12096	2320	200	2160	288
Striatella unipunctata						40		

10-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassionema nitzschioides	288	289		144	160	40		
Thalassiosira baltica						80		
Thalassiosira gravida	144	289	578	2160	160	80		
Thalassiosira spp.	576	1734		3024	400		144	
Tintinnida	8496	9248	20808	3888	240		1872	12096
Tintinnopsis beroidea					40		720	
Unarmoured dinoflagellate	2304	4913	10982	864	40		144	1440
17-Aug-10								
Actinoptychus senarius					144			
Alexandrium fundyense				144				
Amphidinium carterae		1734						
Amphidinium sphenoides				576			144	289
Apedinella radians		578	578					
Armoured dinoflagellate	8092	12138	20808	1152		40	288	2023
Asterionellopsis glacialis						120		
Cerataulina pelagica							720	1156
Ceratium fusus			578				144	
Ceratium lineatum	1156		7514	144			720	4046
Ceratium longipes							144	1156
Chaetoceros affinis								2312
Chaetoceros constrictus							144	24565
Chaetoceros contortus								1156
Chaetoceros debilis			1156					578
Chaetoceros decipiens							144	289
Chaetoceros didymus								289
Chaetoceros laciniosus			578				144	867
Chaetoceros pseudobrevis						40		
Chaetoceros similis	289	1734	578	288		40	1296	
Chaetoceros socialis	4624	3468	9826	3024			1296	578
Chaetoceros spp. (Hyalochaete)	578	1734	1734	576	288	80	1296	4913
Chaetoceros subtilis							144	
Corethron hystrix			1156	144	144	40	288	289
Coscinodiscus radiatus	578							
Cyclotella spp.							144	
Cylindrotheca closterium	10693	4046	4046	8496	3312	1320	4608	2023
Dactyliosolen fragilissimus	578		578	2160	1584	40	576	10115
Dictyocha speculum	1445	578	1734	1008			2880	9537
Dinophysis acuminata	867	1156		288	144			578
Dinophysis norvegica		578	578	144				
Ebria tripartita	578		578	720			1728	289
Entomoneis spp.				1008	144	240	144	
Eucampia zodiacus								289
Eutreptiella sp.	4046	15028	8670	2160			288	289
Gonyaulax digitale		578	578					
Gonyaulax spinifera	578	578		144				289
Guinardia delicatula	578			144	720	320		289
Gyrodinium aureolum			578					
Gyrodinium spp.	1445	3468	2312	1152	144	40	1152	
Heterocapsa triquetra	11560	27166	27166	576	144			1156

17-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Laboea sp.	578	578						
Lauderia annulata				144	288	40		
Lennoxia faveolata	867	578					2304	
Leptocylindrus danicus	1156	578					5328	40460
Leptocylindrus mediterraneus	578							
Leptocylindrus minimus	4335	6358	1156	720	288		3168	578
Licmophora spp.	289							
Mesodinium rubrum	20230	4046	26588			120	13824	10982
Navicula transitans var. *derasa*	289							
Navicula transitans var. *derasa* f. *delicatula*				144			144	
Pennate diatom				144	288	40	144	
Pleurosigma strigosum	578	578		144		40		289
Polykrikos spp.				144				
Proboscia alata				144	144	40		289
Prorocentrum micans	289							578
Prorocentrum minimum	4335	75140	50286	1584			288	1734
Protoperidinium depressum		578						
Protoperidinium spp.			578					
Protoperidinium steinii			578					
Pseudo-nitzschia americana	1445	3468		2160	144		2880	33524
Pseudo-nitzschia delicatissima group								289
Pseudo-nitzschia fraudulenta	578		1734	144	144			
Pseudo-nitzschia pseudodelicatissima	90168	404600	636603	206708	83810	10000	4176	
Pseudo-nitzschia pungens	6936	4624	7514	4176	1728	520	7200	14161
Pseudo-nitzschia seriata		578		576	144			
Pseudo-nitzschia seriata group	289		1734	144				
Pseudo-nitzschia subpacifica	1734	1156	10404	3888	2448	120		
Pseudo-nitzschia turgidula				144	288			
Rhizosolenia imbricata	867			144		120	11952	54043
Rhizosolenia setigera		578	578	288		80	432	578
Rhizosolenia spp.		1156						
Scrippsiella sp.	7225	186694	38148	432				1734
Scrippsiella trochoidea	2312	24276	3468	720				578
Skeletonema costatum	578		1734	2016	2448	320		
Thalassionema nitzschioides	289			576	432	280	288	289
Thalassiosira baltica				144				
Thalassiosira bioculata var. *exigua*			578					
Thalassiosira gravida	2023	2890	5780	1440	288	240	288	
Thalassiosira sp. (tiny)				432				
Thalassiosira spp.	578	578	2890	2160	1008	80		
Tintinnida	27744	116178	26588	2880	864	80	7344	33813
Tintinnopsis beroidea				288		80		289
Unarmoured dinoflagellate	2601	18496	7514	1296				2312
24-Aug-10								
Actinoptychus senarius					144			
Alexandrium fundyense	289							
Amphidinium carterae	289	578			288			
Amphidinium sphenoides			578					1156
Amylax triacantha				289				

24-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Apedinella radians	867		867					
Armoured dinoflagellate	10693	17629	18207	578	432		578	1156
Asterionellopsis glacialis	289	289		289	144	40		
Aulacoseira ambigua			867				289	
Centric diatom		578						
Cerataulina pelagica			289			40	289	4046
Ceratium fusus		289					289	
Ceratium lineatum	2312	2890	3179	1734			289	6358
Ceratium longipes				578				
Ceratium tripos			578	578	288			578
Chaetoceros constrictus								2312
Chaetoceros contortus		289			144			578
Chaetoceros decipiens					144	40		
Chaetoceros filiformis	578						578	
Chaetoceros laciniosus		578						
Chaetoceros lorenzianus	289							1156
Chaetoceros pseudobrevis				289				
Chaetoceros similis	578	289	578	1156	432		2312	578
Chaetoceros socialis	7803	12427	867	41327	6480	320	2312	5780
Chaetoceros spp. (Hyalochaete)	289	289	578	578	720	240	289	1156
Chaetoceros subtilis							289	
Copepoda		867	578			80		
Corethron hystrix	1734	1156	3757	2312	576	240		1156
Coscinodiscus radiatus		289						
Cylindrotheca closterium	6358	2312	9826	3468	4176	1640	1734	1156
Dactyliosolen fragilissimus						320	6936	15606
Dictyocha speculum	1156	578	1734	867	576		2312	15606
Dinophysis acuminata	867		1156	1156	288			1156
Dinophysis norvegica			289	289				
Ditylum brightwellii			1156	289				
Ebria tripartita		289	578				3468	
Eucampia zodiacus							289	578
Eutreptiella sp.	2601	4335	4046		144			578
Gonyaulax spinifera		578	578					
Guinardia delicatula	1445	1156	2023	1156	576	240		578
Gyrodinium aureolum		578	578	289				578
Gyrodinium spp.	867	2312	1156				867	578
Helicostomella spp.								578
Helicotheca tamesis						80		
Heterocapsa triquetra	867	2312	4335					
Laboea sp.	1445	578	289					
Lauderia annulata	289	289		289	288	80	289	
Lennoxia faveolata		289					8959	
Leptocylindrus danicus	2312	5491	1734	3179	1872	280	51731	274550
Leptocylindrus mediterraneus								578
Leptocylindrus minimus	289	2312	2312	867	1296	40	15606	578
Mesodinium rubrum	3757	6069	8959	2312	288	80	16762	45662
Navicula transitans var. *derasa*			1734					
Navicula transitans var. *derasa* f. *delicatula*	578	289			144			

24-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pennate diatom	289		2312	1445	144	160	578	
Pleurosigma strigosum		289	289	289	432	40		578
Polykrikos spp.	289		289					
Proboscia alata	289		289	289		80		578
Prorocentrum micans		289					289	1156
Prorocentrum minimum	2023	6936	7803	3757	720		578	578
Protoperidinium bipes	289	578			144			
Protoperidinium spp.	289	289	867	289	144			
Protoperidinium steinii					144			
Pseudo-nitzschia americana	289	1156					289	12716
Pseudo-nitzschia delicatissima	1734						289	
Pseudo-nitzschia delicatissima group		289						
Pseudo-nitzschia fraudulenta		1156		1445		40		
Pseudo-nitzschia pseudodelicatissima	289		2023	4335	11808	13760	867	1734
Pseudo-nitzschia pungens	8092	25143	2312	16762	11232	2160	1734	4046
Pseudo-nitzschia seriata	289				864	40		
Pseudo-nitzschia subpacifica	867	27455	1156	7514	12816	720		578
Pseudo-nitzschia turgidula					576			
Rhizosolenia imbricata	289		289	1156	288	320	15028	54332
Rhizosolenia setigera					144	80	289	1156
Rhizosolenia spp.			289					
Scrippsiella sp.	19941	20230	11849					1156
Scrippsiella trochoidea	6069	3179	4913	289	144			1156
Skeletonema costatum	19363	6069	61846	10693	1152			
Thalassionema nitzschioides	289	289	2890	2601	864	680	289	
Thalassiosira baltica						40		
Thalassiosira bioculata var. *exigua*		578						
Thalassiosira gravida	289	2312		1156	720	200		578
Thalassiosira sp. (tiny)			4913	867	144			
Thalassiosira spp.	4624	2890	8670	9537	3312	560		578
Tintinnida	41616	18207	40171	5202	2016	80	867	5780
Tintinnopsis beroidea				867	144			
Unarmoured dinoflagellate	6647	6069	13583	867			289	1156
30-Aug-10								
Actinoptychus senarius						40		
Amphidinium carterae	280	289						144
Apedinella radians								144
Armoured dinoflagellate	1520	16762	4335	867		80	578	4608
Asterionellopsis glacialis	320	289		3179	720	80		
Centric diatom						40		
Cerataulina pelagica		1156					1445	3024
Ceratium fusus	200			289	40	40		
Ceratium lineatum	3880	1156		3468			578	576
Ceratium longipes	120							
Ceratium tripos	120							432
Chaetoceros borealis					40			
Chaetoceros constrictus							578	288
Chaetoceros contortus	40	289		289				720
Chaetoceros debilis				578				

30-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros decipiens			289	1156	120			
Chaetoceros didymus								144
Chaetoceros filiformis		867						
Chaetoceros laciniosus		289						
Chaetoceros lorenzianus							289	288
Chaetoceros radicans					80			
Chaetoceros similis	120	289	867	578	200	40	1156	144
Chaetoceros simplex			289					
Chaetoceros socialis	1760	18207	3468	6358	600			
Chaetoceros spp. (Hyalochaete)	240	2023	1734	1156	80	80	289	432
Chaetoceros subtilis							289	
Copepoda	120		289		80	120		
Corethron hystrix	240		2023	1156	440	520	578	
Coscinodiscus concinnus	80							
Coscinodiscus wailesii	40							
Cylindrotheca closterium	4840	6358	3179	14450	5200	1680	578	288
Dactyliosolen fragilissimus	160		867				9248	1008
Dictyocha speculum	360		289	1445		40	2023	1584
Dinophysis acuminata	1080			867	40			2160
Dinophysis norvegica	160							
Dinophysis pulchella								144
Dinophysis rotundata	40		289					
Ditylum brightwellii					40		289	
Ebria tripartita	200	578	578				2023	
Entomoneis spp.					80	80		
Eucampia zodiacus							578	144
Eutreptiella sp.	400		1734					
Gonyaulax spinifera	120		1156	289				432
Guinardia delicatula	40	289	867	2023	440	200	2312	144
Guinardia flaccida						40		
Gyrodinium aureolum			867					576
Gyrodinium spp.	160		1734	1156		40		864
Helicostomella spp.	40							144
Heterocapsa triquetra	40	578		289				
Laboea sp.	80					40		
Lauderia annulata	80	578	289					
Lennoxia faveolata			289					
Leptocylindrus danicus	2720	17051	30345	30634	6160	7640	276862	666600
Leptocylindrus minimus	320	578		289	120	40	10404	720
Mesodinium rubrum	4240	4046	1156	867	80	120	8092	1008
Micracanthodinium claytonii	120							
Navicula distans	40			289				
Pennate diatom	160	289		578	360	120		
Pleurosigma angulatum	40							
Pleurosigma strigosum	80				80	40	289	
Proboscia alata	40		1445	578	80	80		720
Prorocentrum micans	120							432
Prorocentrum minimum	240	578	289					288
Protoperidinium spp.	40			289	80			

30-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Protoperidinium steinii	40							
Pseudo-nitzschia americana	240		289				578	720
Pseudo-nitzschia fraudulenta				578				
Pseudo-nitzschia pseudodelicatissima	280		289	289	2000	1200	1734	
Pseudo-nitzschia pungens	600	289	2312	12138	3360	1160	1156	144
Pseudo-nitzschia seriata			289					
Pseudo-nitzschia subpacifica	120	289	867	3757	840	200	578	144
Rhizosolenia imbricata	280		867	1445	440	400	15317	9072
Rhizosolenia setigera	40				80	120	289	
Scrippsiella sp.	1440	30923	38726				289	10080
Scrippsiella trochoidea	440	289	578	867				288
Skeletonema costatum	2280	112132	206708	95948	8000	2360		
Thalassionema nitzschioides	360	289	867	6069	3040	880	867	
Thalassiosira baltica						80		
Thalassiosira gravida	120			1156	200	240		
Thalassiosira punctigera					40			
Thalassiosira sp. (tiny)					160			
Thalassiosira spp.	360	867	4046	11849	3560	720		
Tintinnida	1840	7225	19941	4046	160	40	1445	4896
Tintinnopsis beroidea				289	200	80		
Unarmoured dinoflagellate	760	289	5491	578	40		867	6336
7-Sep-10								
Actinoptychus senarius			289		144	80		
Amphidinium carterae		867						144
Apedinella radians		1734						144
Armoured dinoflagellate	432	2023	578	771				864
Asterionellopsis glacialis	1152	1156	867	1541	1728	280		144
Centric diatom								144
Cerataulina pelagica	864	867	578	1349		80	1152	1728
Ceratium fusus								144
Ceratium lineatum	576	1156	578					5328
Ceratium spp.	144			193				
Ceratium tripos	144							144
Chaetoceros constrictus	144							
Chaetoceros contortus	144	289	289			40		
Chaetoceros debilis		289						
Chaetoceros decipiens		1445		385				
Chaetoceros filiformis		1156						
Chaetoceros laciniosus		578	289					
Chaetoceros lorenzianus		289			144	80	144	
Chaetoceros peruvianus					144			
Chaetoceros pseudobrevis				385				
Chaetoceros radicans				193				
Chaetoceros similis	864	867	1156	578	288	160	1872	2016
Chaetoceros socialis	4752	14739	4913	578	288			144
Chaetoceros spp. (Hyalochaete)	576	2312	1445	2119	864			
Chaetoceros spp. (Phaeoceros)						40		
Commation cryoporinum					144			
Copepoda	144						144	

7-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Corethron hystrix	720	867	867	1734	288	40	432	576
Coscinodiscus radiatus								144
Cylindrotheca closterium	3456	4624	10115	3468	5904	960	576	3888
Dactyliosolen fragilissimus			578					432
Dictyocha speculum	1152	1734	2312	1734	144	80	2736	9504
Dinophysis acuminata	720	578	289	193	144	120	144	576
Dinophysis fortii								144
Dinophysis norvegica	144	289	289					144
Dinophysis rotundata	144							
Ditylum brightwellii	432	1445	1156	963	288	80		288
Ebria tripartita	144	289	867				576	720
Entomoneis spp.						40		
Eucampia zodiacus								576
Eutreptiella sp.	432	1734	289				144	432
Gonyaulax spinifera		289						144
Guinardia delicatula	1296	1156	1445	2119	1152	360	576	1152
Gyrodinium spp.	288	578		193	144		432	432
Helicostomella spp.							288	
Heterocapsa triquetra		289						
Laboea sp.		1734		193				
Lauderia annulata		289	289	385		40		144
Lennoxia faveolata	144	1156						
Leptocylindrus danicus	58956	102884	150858	127160	38016	4680	58608	320064
Leptocylindrus minimus	2016	3468	1734	578			432	288
Mesodinium rubrum	7632	10982	5491	771	144	160	1296	5184
Navicula transitans var. *derasa*							144	
Navicula transitans var. *derasa* f. *delicatula*			289		144			
Paralia sulcata		289						
Pennate diatom	288	867		385	720		144	
Pleurosigma strigosum		289					288	288
Prorocentrum micans			289				144	1440
Prorocentrum minimum		578						
Protoperidinium bipes			289					
Protoperidinium spp.			289	385				
Pseudo-nitzschia americana		578		193				
Pseudo-nitzschia delicatissima group	1296						432	
Pseudo-nitzschia fraudulenta	432	867		1156	144	240		
Pseudo-nitzschia pseudodelicatissima		3468	2601	1927	3168	1120		
Pseudo-nitzschia pungens	1152	3468	1734	3854	1152	400	144	576
Pseudo-nitzschia seriata				193		40		
Pseudo-nitzschia seriata group		289	289	193				
Pseudo-nitzschia subpacifica	4464	10693	6358	11753	3168	400		
Pseudo-nitzschia turgidula	144		867	771				
Rhizosolenia imbricata			578	385		120	576	288
Rhizosolenia setigera						160	144	288
Rhizosolenia spp.							720	
Scrippsiella sp.	288							
Scrippsiella trochoidea	144	289						432
Skeletonema costatum	9072	9826	15028	16378	13104	6400		1872

7-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassionema nitzschioides	1584		1156	2312	3744	1200	144	144
Thalassiosira baltica	144			193				
Thalassiosira bioculata var. *exigua*								144
Thalassiosira gravida			289	193	432	120		
Thalassiosira nordenskioeldii				193				
Thalassiosira sp. (tiny)			1156					288
Thalassiosira spp.	1872	4046	8092	10405	6048	1520	144	
Tintinnida	1296	8381	4624	771	288	40	3168	7200
Tintinnopsis beroidea	288		578	385		40	1296	
Unarmoured dinoflagellate	432	2312	1445	385	144		288	288
14-Sep-10								
Actinoptychus senarius	144			720	720	1152		
Amphidinium sphenoides					144			
Apedinella radians		144	576					144
Armoured dinoflagellate	144		2304	576	144		288	864
Asterionellopsis glacialis		144		288	288	432		
Cerataulina pelagica		288	480	1008	432	144	144	864
Ceratium fusus	144	288	192			144		432
Ceratium lineatum	1152	720	5184	2448	720		144	4320
Ceratium longipes				144				
Ceratium spp.		144					288	
Ceratium tripos							144	144
Chaetoceros constrictus	144							
Chaetoceros contortus	144	432			288			
Chaetoceros convolutus / concavicornis						144		
Chaetoceros debilis	288	720						
Chaetoceros decipiens		144		144				
Chaetoceros laciniosus		144						
Chaetoceros lorenzianus			96					
Chaetoceros peruvianus				144				
Chaetoceros radicans				288				
Chaetoceros similis	288	576	864	288	432	144	720	720
Chaetoceros socialis		2448	3072	720	432			
Chaetoceros spp. (Hyalochaete)	576	576	960	144	1008	1008		
Copepoda			192	144				
Corethron hystrix	144		288	288	288	432	432	720
Coscinodiscus wailesii	144							
Cylindrotheca closterium	2592	2592	1344	1728	2592	2016	864	1584
Dactyliosolen fragilissimus		144	192					
Dictyocha speculum	1152	720	2016	1296	144	288	1008	8928
Dinophysis acuminata			576	288	144		288	1152
Dinophysis norvegica		144		288				288
Dinophysis rotundata			96					
Ditylum brightwellii		864	480	432	720	720		
Ebria tripartita		144	192					432
Eucampia zodiacus		144						576
Eutreptiella sp.			96					
Gonyaulax digitale				144				
Gonyaulax spinifera			192					288

14-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Guinardia delicatula	720	1440	1440	576	576	288	432	1296
Guinardia flaccida		288	96				144	
Gyrodinium aureolum			96					
Gyrodinium spp.	432	576	384	720	288		144	720
Gyrosigma fasciola		144						
Helicostomella spp.								144
Laboea sp.		144		288				144
Lauderia annulata				288	144			
Lennoxia faveolata								144
Leptocylindrus danicus	104040	188428	369963	272816	100572	75140	186694	404600
Leptocylindrus mediterraneus			192					
Leptocylindrus minimus	1008	720	1344	1008	288	144	576	2160
Mediopyxis helysia						144		
Mesodinium rubrum	5616		3552	1008			2160	13680
Oxytoxum gracile	144							
Pennate diatom			96	144		576		
Pleurosigma strigosum	144		96		144			
Proboscia alata			96					
Prorocentrum micans		144	192				288	1728
Prorocentrum minimum			384					
Protoperidinium conicum		144						
Protoperidinium depressum			96					
Protoperidinium oblongum		144		144				144
Protoperidinium spp.					144			864
Pseudo-nitzschia americana		432						
Pseudo-nitzschia delicatissima		288	288					
Pseudo-nitzschia delicatissima group	576						144	
Pseudo-nitzschia fraudulenta		288	384	288	144	432		
Pseudo-nitzschia pseudodelicatissima		144		1440	1152	1008		576
Pseudo-nitzschia pungens		576	192	1152	2016	1008		144
Pseudo-nitzschia seriata group		288	672					
Pseudo-nitzschia subpacifica	144	576	960	1872	2304	1728		288
Pseudo-nitzschia turgidula				144				
Rhizosolenia setigera	288					144	864	144
Skeletonema costatum	144		672	288		1296	432	
Thalassionema nitzschioides	288		96	432	1584	2448	144	720
Thalassiosira gravida					432	288		
Thalassiosira sp. (tiny)	144							
Thalassiosira spp.		144	576	576	2016	1152		144
Tintinnida	2160	1008	4320	1440	432	144	576	6192
Tintinnopsis beroidea	720	576	768	432		144		288
Unarmoured dinoflagellate	432	144	1440	144				
21-Sep-10								
Actinoptychus senarius						80		
Amphidinium sphenoides					144			
Apedinella radians		144						144
Armoured dinoflagellate	144	288	867	144	1152			576
Asterionellopsis glacialis						40		
Centric diatom				144			40	

21-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Cerataulina pelagica		720	289				160	2304
Ceratium fusus					288			144
Ceratium lineatum	432	576	578	1872	2592			1584
Ceratium tripos			289	144				
Chaetoceros concavicornis						80		
Chaetoceros constrictus							40	
Chaetoceros contortus	144	288						
Chaetoceros debilis		1008		144	432			
Chaetoceros decipiens		144	289		144			144
Chaetoceros densus			289					
Chaetoceros didymus							40	
Chaetoceros lorenzianus		144						
Chaetoceros peruvianus	144							
Chaetoceros similis	288	1008		144	144	40	280	2736
Chaetoceros socialis	1008	6912	1445					1152
Chaetoceros spp. (Hyalochaete)	432	1872	289	864	1296		40	576
Chaetoceros spp. (Phaeoceros)		144		144	288			
Chaetoceros subtilis								720
Copepoda	144							
Corethron hystrix	288	576	578	720	144	120	440	
Coscinodiscus radiatus	144							
Cylindrotheca closterium	1728	1152	4624	864	2304	600	240	2880
Dactyliosolen fragilissimus		144	289	144			120	
Dictyocha speculum	720	288	1156	2016	1440		440	7920
Dinophysis acuminata		144	867	864	576		40	144
Dinophysis norvegica	144		289					
Ditylum brightwellii	144	576		144				
Ebria tripartita								432
Entomoneis spp.						40		
Eucampia zodiacus		288						288
Eutreptiella sp.			289					
Guinardia delicatula	864	720	2023	1872	1440		80	1152
Guinardia flaccida		144						
Gyrodinium spp.	144	288		432	432		40	1152
Heterocapsa triquetra				288				
Laboea sp.			289		144			
Leptocylindrus danicus	59904	206346	130339	266458	280908	11080	3720	239292
Leptocylindrus minimus	288	144	867		1008	40	200	576
Mesodinium rubrum	6192	4176	2023	144	576	120	840	11232
Navicula transitans var. *derasa*						40		
Navicula transitans var. *derasa* f. *delicatula*	144				144			
Pennate diatom					144		40	144
Pleurosigma angulatum					144			
Pleurosigma strigosum	144			144	144		360	
Proboscia alata				144				
Prorocentrum micans		144		144	288			1728
Protoperidinium punctulatum		144						
Protoperidinium spp.		144				80		
Pseudo-nitzschia americana	144							

21-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima		288	578					144
Pseudo-nitzschia fraudulenta	144		289	288		160		
Pseudo-nitzschia pseudodelicatissima			289	1728	864	80		432
Pseudo-nitzschia pungens	144	288		144	1440	320	40	
Pseudo-nitzschia seriata group					144			
Pseudo-nitzschia subpacifica	576	288	2890	1872	1152	720		
Rhizosolenia setigera							80	144
Skeletonema costatum		432			288		40	
Thalassionema nitzschioides	576	144	289	2016	1152	800	80	432
Thalassiosira anguste-lineata		144						
Thalassiosira baltica		144	289		144	40	80	
Thalassiosira gravida	144	432		144				
Thalassiosira punctigera							40	
Thalassiosira sp. (tiny)					144			
Thalassiosira spp.	144	144	867	720	1440	80		
Tintinnida	1152	864	5491	2016	2448	40	920	5616
Tintinnopsis beroidea	288	144	867	288	864	80		
Unarmoured dinoflagellate	432	720	578		288			144
28-Sep-10								
Actinoptychus senarius	320	144	40	160	280	160		
Amphidinium carterae	120	144	40		40			144
Apedinella radians		576	80					
Armoured dinoflagellate	80	576	360	80	40	120		720
Asterionellopsis glacialis			40	40				
Centric diatom	80							
Cerataulina pelagica		144						2160
Ceratium fusus	40	288	40			40		
Ceratium lineatum	1240	5328	1040	40	200			288
Ceratium tripos	40	720	160		40			144
Chaetoceros constrictus	40	288						1872
Chaetoceros debilis	80				200			
Chaetoceros decipiens	40		80		120			144
Chaetoceros peruvianus	40	144		120				
Chaetoceros similis	160	144	160	80	80			1296
Chaetoceros socialis		1440						432
Chaetoceros spp. (Hyalochaete)			40	120	40	120		
Chaetoceros spp. (Phaeoceros)					80			
Commation cryoporinum						40		
Copepoda			40					144
Corethron hystrix	40	432	240	120	120			288
Coscinodiscus radiatus								144
Coscinodiscus spp.					40			
Coscinodiscus wailesii	40							
Cylindrotheca closterium	1640	3600	2160	1520	1240	1320		1584
Dactyliosolen fragilissimus			80	40				
Dictyocha fibula			40					
Dictyocha speculum	560	3600	1680	520	200	80		9648
Dinophysis acuminata	240	576	320	160				720
Dinophysis caudata				40				

28-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis fortii	40							144
Dinophysis norvegica	160	432	80	80				
Dinophysis rotundata								144
Dinophysis tripos	40		80					
Dissodinium pseudolunula								144
Ditylum brightwellii	40		80	40	200	80		
Eucampia zodiacus								14400
Eutreptiella sp.			40					
Gonyaulax spinifera	80	288	40					
Guinardia delicatula	440	1296		360	120	280		864
Guinardia flaccida	80	144		40				288
Guinardia striata		144	120					
Gyrodinium spp.	160		120		120			720
Helicostomella spp.								144
Heterocapsa triquetra			80		40			144
Laboea sp.	360	432	80		40			
Lauderia annulata								432
Leptocylindrus danicus	15480	61776	11600	86122	78608	19720		4032
Leptocylindrus minimus	40	432	40	80		40		
Mesodinium rubrum	8880	3744	1720	80		120		9792
Navicula distans						40		
Navicula transitans var. *derasa*	80			40				
Oxytoxum gracile		144						
Pennate diatom	80	432			40			288
Pleurosigma strigosum		144			40			
Prorocentrum micans	480	864	480					3888
Prorocentrum minimum			40					
Protoperidinium spp.		144			40			
Pseudo-nitzschia americana			40					2160
Pseudo-nitzschia delicatissima group	80		240					
Pseudo-nitzschia fraudulenta			40		40	80		
Pseudo-nitzschia pseudodelicatissima			160	120	640	160		
Pseudo-nitzschia pungens	40		80	160	240			864
Pseudo-nitzschia seriata group					80			
Pseudo-nitzschia subpacifica		144			320			
Scrippsiella trochoidea			40	40				288
Skeletonema costatum	80	288	80					
Thalassionema nitzschioides	40	432	520	1160	1000	1160		144
Thalassiosira baltica	40				80	40		
Thalassiosira gravida		144						144
Thalassiosira punctigera	40		80	40	40			
Thalassiosira sp. (tiny)			40					
Thalassiosira spp.	80	144	160	240	160	160		
Tintinnida	9520	8352	3720	120	160	360		2736
Tintinnopsis beroidea	1160	576	80	240	80	160		432
Unarmoured dinoflagellate	120	576	120	80				720
5-Oct-10								
Actinoptychus senarius	40	40	240	160	440	80	40	240
Apedinella radians		80	160					

5-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	120	80	120		80		200	760
Centric diatom				40				120
Ceratium fusus	80	80		80			120	320
Ceratium lineatum	640	840	120	320	80		120	480
Ceratium longipes				40			40	40
Ceratium spp.							40	
Ceratium tripos		200	80	120	40		200	160
Chaetoceros constrictus		40						120
Chaetoceros debilis							40	40
Chaetoceros decipiens			40					
Chaetoceros lorenzianus					40			
Chaetoceros similis		80	80			40		160
Chaetoceros socialis								160
Chaetoceros spp. (Hyalochaete)	40						40	160
Chaetoceros spp. (Phacoceros)						40		80
Chaetoceros subtilis	40							
Copepoda	40			120			40	40
Corethron hystrix	80	160	120	80	40			
Coscinodiscus radiatus				40	40	40		
Coscinodiscus spp.				40		40		
Coscinodiscus wailesii		40					40	80
Cylindrotheca closterium	3520	3040	2640	600	1680	320	200	400
Dictyocha speculum	560	2360	920	480	200	80	1320	8360
Dictyocysta sp.		40						
Dinophysis acuminata	40	40	40	40		40	40	680
Dinophysis fortii	40			40				40
Dinophysis norvegica		80	120					160
Dinophysis tripos	40							
Ditylum brightwellii		80		40	40	40		
Eucampia zodiacus							720	1440
Eutreptiella sp.	40							
Gonyaulax spinifera			120					
Guinardia delicatula		40						280
Guinardia flaccida							40	520
Guinardia striata			40					
Gyrodinium spp.	40	120	120	80				200
Helicostomella spp.								80
Helicotheca tamesis					40			
Laboea sp.		120		40				280
Lauderia annulata								40
Leptocylindrus danicus	400	120	160	400		280	120	
Leptocylindrus minimus			40	80		40		
Mesodinium rubrum	3360	2960	2600	360			600	3080
Navicula distans	40							
Navicula transitans var. *derasa*	40			40	40			
Navicula transitans var. *derasa* f. *delicatula*							40	
Odontella sinensis			40		40			
Pennate diatom			160	160		120	80	40
Pleurosigma strigosum	40	80						

5-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Prorocentrum micans	320	360	80	40	80		640	3840
Prorocentrum minimum				120				
Protoperidinium crassipes								40
Protoperidinium depressum								120
Protoperidinium oblongum		40						
Protoperidinium ovatum							40	
Protoperidinium spp.		40			40	40	40	160
Protoperidinium steinii								40
Pseudo-nitzschia americana		120					40	160
Pseudo-nitzschia delicatissima		480				40		
Pseudo-nitzschia fraudulenta						40		
Pseudo-nitzschia pseudodelicatissima	280		360	160	80			
Pseudo-nitzschia pungens				40				
Pseudo-nitzschia subpacifica	80							
Scrippsiella trochoidea								80
Skeletonema costatum	240	120						
Thalassionema nitzschioides	1000	1480	320	520	840	480		360
Thalassiosira baltica	400	40			120	40		
Thalassiosira punctigera		160	80		40		160	160
Thalassiosira sp. (tiny)			80					
Thalassiosira spp.		120	80	80		80	40	
Tintinnida	720	1040	1040	160		40	360	1200
Tintinnopsis beroidea	760	3720	160	360			360	600
Tintinnopsis campanula								80
Unarmoured dinoflagellate	40	40	40					80
12-Oct-10								
Actinoptychus senarius	80	160		40	160			
Apedinella radians								40
Armoured dinoflagellate	40	80	40		80			40
Asterionellopsis glacialis		40	80	40	40			
Ceratium fusus	40		80	80	40		40	
Ceratium lineatum	80		360	160	120		40	120
Ceratium longipes					40			80
Ceratium tripos			160	80			40	80
Chaetoceros debilis	40							
Chaetoceros similis	120	40					40	160
Chaetoceros socialis								40
Chaetoceros spp. (Hyalochaete)					40			
Chaetoceros subtilis							40	
Copepoda				40	40			
Corethron hystrix		80		40	80	40	80	40
Coscinodiscus radiatus			80		40			40
Coscinodiscus spp.				40				
Coscinodiscus wailesii								40
Cylindrotheca closterium	4520	1520	1280	400	360	240	360	280
Dactyliosolen fragilissimus			80					40
Dictyocha speculum	1360	440	720	360	120		680	5720
Dictyocysta sp.				40				
Dinophysis acuminata	40	40	160	40		40		280

12-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis fortii				80				
Dinophysis pulchella								360
Ditylum brightwellii		40	40			120		
Entomoneis spp.				40				
Eucampia zodiacus	40						80	
Guinardia delicatula								40
Guinardia striata					40			
Gyrodinium spp.	80			40				120
Helicostomella spp.		40						200
Laboea sp.							40	
Lauderia annulata								40
Leptocylindrus danicus	400	680	2280	120	320	120	160	
Leptocylindrus minimus	40		40	240	40		40	
Licmophora spp.	40							
Mesodinium rubrum	4120	560	4280	80	160		1120	1880
Navicula distans				40		40		
Navicula transitans var. *derasa* f. *delicatula*	40		40					
Odontella sinensis	40					40		
Paralia sulcata				40				
Pennate diatom	40		120	80		120		40
Pleurosigma strigosum						80		
Prorocentrum micans	800		240	40	200	40	320	560
Prorocentrum minimum	40	40						120
Protoperidinium spp.								40
Protoperidinium steinii								80
Pseudo-nitzschia americana							40	
Pseudo-nitzschia delicatissima		80			80		80	
Pseudo-nitzschia pseudodelicatissima						40		40
Pseudo-nitzschia seriata group			40					
Pseudo-nitzschia subpacifica				40		40		
Rhizosolenia setigera	40							40
Scrippsiella trochoidea	40							
Skeletonema costatum	80	240	200		40		40	40
Thalassionema nitzschioides	400	320	640	520	680	320	80	40
Thalassiosira baltica	120		40	120	120	80		
Thalassiosira punctigera	40			40	80	40	40	
Thalassiosira spp.				80	40			
Tintinnida	920	400	240	160	40	40	120	3560
Tintinnopsis beroidea	160		40	240		80		
Tintinnopsis spp.					40			
Unarmoured dinoflagellate	40							120
19-Oct-10								
Actinoptychus senarius	160	80		80	40			400
Amphidinium carterae	40							40
Armoured dinoflagellate	40	120			80			240
Asterionellopsis glacialis				40				
Aulacoseira granulata		40						
Centric diatom	80						80	80
Ceratium fusus				40				160

19-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Ceratium lineatum	80	1600	40	200			40	680
Ceratium longipes								40
Ceratium tripos	40	40						160
Chaetoceros debilis		40						40
Chaetoceros filiformis		40						
Chaetoceros similis							40	
Chaetoceros spp. (Hyalochaete)		80						
Copepoda		40		40				40
Corethron hystrix	80			40	120		80	80
Coscinodiscus radiatus					40		40	
Coscinodiscus spp.							40	
Cylindrotheca closterium	400	840	1120	400	200	240	280	960
Dactyliosolen fragilissimus	80		40		40			
Dictyocha fibula			80					
Dictyocha speculum	80	400	80	80	80		600	920
Dinophysis acuminata	80		80	80		40		120
Dinophysis fortii			80					40
Dinophysis norvegica			40	40				
Ditylum brightwellii		120	80	80	80		40	
Ebria tripartita		40						
Entomoneis spp.						40		
Gonyaulax spinifera		40						
Grammatophora marina			40		200			
Guinardia delicatula						40		40
Guinardia flaccida								200
Gyrodinium spp.		160	80	240	40	40	40	120
Heterocapsa triquetra				40				
Laboea sp.							40	
Lauderia annulata								80
Leptocylindrus danicus	120	40				440	40	120
Licmophora spp.			160					40
Melosira nummuloides				40				
Mesodinium rubrum	880	960	920	560			240	480
Navicula distans	40				40			
Navicula transitans var. *derasa*			40	40				
Odontella sinensis				40				40
Paralia sulcata				40				
Pennate diatom		160	160	80				40
Pleurosigma angulatum				40	40			
Pleurosigma strigosum			80					
Prorocentrum micans	80	200		160	40		120	720
Prorocentrum minimum		40		80				
Protoperidinium granii								40
Protoperidinium spp.				80				
Pseudo-nitzschia americana								40
Pseudo-nitzschia delicatissima		40						
Pseudo-nitzschia delicatissima group	40		40					40
Pseudo-nitzschia pseudodelicatissima						40		
Pseudo-nitzschia pungens	80							

19-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia seriata group						80		
Pseudo-nitzschia subpacifica						40		
Rhizosolenia setigera							80	
Skeletonema costatum		40	40		40		40	
Thalassionema nitzschioides	120	280	280	320	240	200	400	
Thalassiosira baltica	80	40			120		40	160
Thalassiosira punctigera	40	40	40	40			200	360
Thalassiosira sp. (tiny)							40	
Thalassiosira spp.	120	40			40	40		160
Tintinnida	120	360	320	80	280		520	440
Tintinnopsis beroidea	40				40			
Unarmoured dinoflagellate		80	40		40		40	120
26-Oct-10								
Actinoptychus senarius		80		280	40	240		
Alexandrium fundyense								40
Amphidinium carterae	80		40	40			40	40
Apedinella radians			40					40
Armoured dinoflagellate	160		160	80	40			120
Asterionellopsis glacialis	40			40	40	40		
Centric diatom	40							
Ceratium furca								40
Ceratium fusus					40		40	160
Ceratium lineatum	40	160	40	80				600
Ceratium longipes	40							
Ceratium tripos								40
Chaetoceros convolutus					40			
Chaetoceros similis			40				40	
Chaetoceros spp. (Hyalochaete)			40	40				
Commation cryoporinum					40			
Copepoda				40				40
Corethron hystrix	40	40	80		80		40	40
Coscinodiscus radiatus								40
Coscinodiscus spp.		40			40			
Cylindrotheca closterium	240	1560	1320	800	880	200	760	1640
Dictyocha fibula		40		40				40
Dictyocha speculum	280	160	160		40	120	80	800
Dinophysis acuminata				120	40			200
Dinophysis fortii			80		40			
Dinophysis norvegica			40					
Ditylum brightwellii	80		80	80	240	40		40
Entomoneis spp.				40	80			
Eutreptiella sp.								40
Gonyaulax spinifera			40					
Grammatophora marina			120					
Guinardia delicatula			40					
Guinardia flaccida			40					240
Gyrodinium spp.	80	120	80	80	160		40	40
Gyrosigma tenuissimum					40			
Helicotheca tamesis				40				

26-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Heterocapsa triquetra								40
Laboea sp.							40	
Leptocylindrus danicus	80	200	240	80	80		80	80
Mesodinium rubrum	2080	480	520	40		40	400	2720
Navicula distans				80		160		40
Navicula transitans var. *derasa* f. *delicatula*				40				
Paralia sulcata		40				40		
Pennate diatom		120	120			80	40	
Pleurosigma angulatum						80		
Pleurosigma strigosum		120				80		
Prorocentrum micans	200	280	80	160	80		80	1240
Prorocentrum minimum		40	480	40	120			
Protoperidinium bipes		40						
Pseudo-nitzschia delicatissima				40				
Pseudo-nitzschia delicatissima group		40						40
Pseudo-nitzschia pseudodelicatissima			160		40	40		
Pseudo-nitzschia pungens						40		
Scrippsiella trochoidea	40	40						120
Skeletonema costatum	120	80	200				120	80
Thalassionema nitzschioides	120	120	40	320	160	120	160	160
Thalassiosira baltica	80	200	40	40	40	40	80	160
Thalassiosira punctigera	80	280		160	200	160		80
Thalassiosira sp. (tiny)					40			
Thalassiosira spp.	40	120	120	40	40		80	
Tintinnida	800	680	1600	160	360		280	2200
Tintinnopsis beroidea			120	40		40		
Unarmoured dinoflagellate	120	80	40		80		120	80
16-Nov-10								
Actinoptychus senarius							40	40
Alexandrium fundyense			40					
Amphidinium carterae	160	120	40	40				40
Apedinella radians								40
Armoured dinoflagellate	360	760	320	80				440
Asterionellopsis glacialis				40				40
Biddulphia alternans					40			
Centric diatom						40		
Ceratium fusus			80	40			40	
Ceratium lineatum	1920	4080	1680	40			120	360
Ceratium tripos		160			80			40
Chaetoceros debilis								40
Chaetoceros similis		40						40
Chaetoceros spp. (Hyalochaete)		40	40	120				
Copepoda	80		40					120
Corethron hystrix		40		40		40		80
Cylindrotheca closterium	1240	1160	1400	1520	240	560	920	1200
Dictyocha fibula	80							
Dictyocha speculum	80	200	80		40	80		
Dinophysis acuminata		80	40					40
Dinophysis caudata		40						

16-Nov-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dinophysis norvegica			40					40
Ditylum brightwellii	400	320	280	280	40	40	40	
Eutreptiella sp.	80	80	40					80
Gonyaulax spinifera	40	40						
Guinardia delicatula				40		40		
Guinardia flaccida					40			
Guinardia striata	40							
Gyrodinium aureolum		40	120					
Gyrodinium spp.	200	520	400	80	40		40	160
Gyrosigma tenuissimum		40						
Helicotheca tamesis				40		80		
Heterocapsa triquetra	200	160	80					80
Laboea sp.	80	200	40				40	640
Leptocylindrus minimus	40							
Mesodinium rubrum	11040	10400	2440	40		40	720	8880
Navicula distans		80		40			120	
Navicula transitans var. *derasa*		40						
Odontella sinensis	40			40	120			
Pennate diatom	80		40				160	
Pleurosigma strigosum					40	40		
Prorocentrum micans	320	400	240	40			40	520
Prorocentrum minimum	40	240						80
Protoperidinium bipes								40
Protoperidinium spp.		40						
Pseudo-nitzschia delicatissima	40			160			80	
Pseudo-nitzschia delicatissima group			80					
Pseudo-nitzschia pseudodelicatissima						80		
Rhizosolenia setigera				40				120
Skeletonema costatum	120	80	120	80			40	80
Thalassionema nitzschioides	80	160	40	240	80	160	80	160
Thalassiosira anguste-lineata				120				
Thalassiosira baltica		120		120	80	80	40	
Thalassiosira punctigera	120	120		40	80		80	40
Thalassiosira spp.	120		40	200	40		80	40
Tintinnida	6600	7680	1200	80	120	40	600	5160
Tintinnopsis beroidea		240	240					
Unarmoured dinoflagellate	760	1400	800				160	560
14-Dec-10								
Actinoptychus senarius	80	360		200				80
Amphidinium sphenoides			40					
Armoured dinoflagellate		40	80					80
Asterionellopsis glacialis			40			40		
Aulacoseira granulata						40		
Centric diatom			40		40			
Ceratium fusus			40					
Ceratium lineatum	80	360	120					280
Chaetoceros convolutus								40
Chaetoceros danicus			40					
Chaetoceros peruvianus						40		

14-Dec-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Copepoda		40						
Coscinodiscus radiatus			40		40			
Cylindrotheca closterium	200	200	680	920	720	920	40	720
Dinophysis fortii		40						
Dinophysis norvegica				40				
Ditylum brightwellii	40	40	80	40	80		40	160
Entomoneis spp.					40			
Eutreptiella sp.								40
Guinardia delicatula			40					40
Gyrodinium spp.	40	160	40					40
Gyrosigma tenuissimum	40							
Heterocapsa triquetra								40
Mesodinium rubrum	1640	6800	2120	80	80	40	240	600
Navicula distans		40	80		40		40	
Navicula transitans var. *derasa* f. *delicatula*	40		40					
Odontella sinensis	40			40	80	40		
Paralia sulcata		80						
Pennate diatom			120		80	40	40	
Pleurosigma angulatum			80	40				
Prorocentrum micans		40	40	40				40
Pseudo-nitzschia delicatissima group		40				80		40
Pseudo-nitzschia pseudodelicatissima					80			
Skeletonema costatum			40			40		
Thalassionema nitzschioides	40	40	120	120	200	200		40
Thalassiosira baltica			80					
Thalassiosira gravida		40						
Thalassiosira punctigera		80						40
Thalassiosira spp.			80		40			80
Tintinnida	560	1040	120		80	160	80	360
Unarmoured dinoflagellate								80
18-Jan-11								
Actinoptychus senarius	80							
Amphidinium carterae							40	40
Armoured dinoflagellate	40			40				40
Asterionellopsis glacialis	40		40					
Centric diatom				40				
Ceratium lineatum			40					
Chaetoceros danicus		40						
Chaetoceros decipiens						40		
Chaetoceros similis								40
Chaetoceros spp. (Hyalochaete)	40		40		80			40
Corethron hystrix		40		40			40	
Coscinodiscus spp.							40	
Cylindrotheca closterium	1080	1680	1080	360	800	1200	520	1200
Dictyocha fibula	40							
Dictyocha speculum	40							
Dinophysis acuminata						40		
Ditylum brightwellii	120	40	80	80	120		80	
Entomoneis spp.			40					

18-Jan-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Eutreptiella sp.								40
Gyrodinium spp.				40				40
Laboea sp.								40
Leptocylindrus minimus				40				
Mesodinium rubrum	1000	40	160	120		120	240	600
Micracanthodinium claytonii		40						
Navicula distans		40				40		40
Navicula transitans var. *derasa* f. *delicatula*	40							
Odontella sinensis						40		
Paralia sulcata	40							
Pennate diatom	40		80	40	80		40	80
Pleurosigma angulatum	80		40					
Pleurosigma strigosum					80			
Prorocentrum micans				40				
Pseudo-nitzschia delicatissima	80	40			40	120		
Pseudo-nitzschia pseudodelicatissima				40				
Rhizosolenia setigera							40	
Skeletonema costatum		80		40				
Thalassionema nitzschioides	80	80	40	40	40	40		40
Thalassiosira baltica	40							
Thalassiosira gravida		120		40	80			
Thalassiosira punctigera			40	80	40			
Thalassiosira spp.		120				40		
Tintinnida	80				80	40	80	40
Tintinnopsis beroidea					40	40	40	40
Unarmoured dinoflagellate		40						40
17-Feb-11								
Actinoptychus senarius							40	
Asterionellopsis glacialis	40		40	40				
Centric diatom				40				
Ceratium lineatum			40					
Chaetoceros spp. (Hyalochaete)			40					80
Commation cryoporinum			40	40				80
Corethron hystrix		80		40		40		
Cylindrotheca closterium	400	720	720	960	1480	920	520	480
Dictyocha speculum	80	80						80
Ditylum brightwellii	80	80	120	40	80	40		40
Eutreptiella sp.	40		40				40	280
Guinardia delicatula				40				
Gyrodinium spp.			80	120	40	40		80
Laboea sp.				40				
Leptocylindrus minimus								40
Mesodinium rubrum	240	440	320	400	40		1920	4320
Navicula distans		160			160			
Navicula transitans var. *derasa* f. *delicatula*			40	40	80	80		
Notholca spp.		40						
Odontella aurita		40						
Paralia sulcata	40							
Pennate diatom	160	40	40	280	120	200	240	40

17-Feb-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pleurosigma / Gyrosigma	80							
Pleurosigma angulatum				40				
Pleurosigma strigosum						40		
Prorocentrum micans	40			40				
Pseudo-nitzschia delicatissima	40	200	120	80	80	120	40	
Pseudo-nitzschia delicatissima group								40
Rhizosolenia setigera	80							
Skeletonema costatum	160	40	160					200
Thalassionema nitzschioides		40			40	120	40	
Thalassiosira baltica	40			40	40			
Thalassiosira bioculata			40					
Thalassiosira bioculata var. *exigua*								40
Thalassiosira nordenskioeldii								40
Thalassiosira punctigera				40				
Thalassiosira spp.		80	40		80	40		
Tintinnida	120	80	40	240		40	80	360
Unarmoured dinoflagellate	40			80				320
15-Mar-11								
Actinoptychus senarius					40			
Amphidinium carterae			40					
Armoured dinoflagellate				80			80	
Asterionellopsis glacialis	40					40		
Aulacoseira ambigua		40						
Chaetoceros spp. (Hyalochaete)		40	40				40	160
Commation cryoporinum	40				40			
Corethron hystrix			40					
Coscinodiscus spp.					40			
Cylindrotheca closterium	880	320	200	440	560	1560	120	280
Dictyocha speculum	240	80	80			40	40	40
Ditylum brightwellii				40				
Gonyaulax digitale					40			
Guinardia delicatula	40					40		
Gyrodinium spp.	40	120	40	200			80	80
Heterocapsa triquetra	40							
Leptocylindrus minimus		40				40		
Licmophora spp.							40	
Mesodinium rubrum	680	760	280	200	320			320
Navicula distans	40	40	40		80	80		
Navicula transitans var. *derasa* f. *delicatula*	40			40	80	160		
Pennate diatom	200		40	40	160	600	240	80
Pleurosigma angulatum						40		
Pleurosigma strigosum						40		
Protoperidinium spp.		40						
Pseudo-nitzschia delicatissima	40		120	120	80	160		
Pseudo-nitzschia delicatissima group		200						40
Rhizosolenia setigera	40	40			40	80		
Skeletonema costatum	440	160	120	80		240	120	40
Thalassionema nitzschioides					40			
Thalassiosira baltica			40			40		

15-Mar-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira nordenskioeldii						40		
Thalassiosira punctigera					40			
Thalassiosira spp.		40	40		40	120	40	
Tintinnida	200	80		80	40	120	80	440
Unarmoured dinoflagellate	160	120				80	160	120
6-Apr-11								
Amphidinium carterae								40
Armoured dinoflagellate		80	40					80
Asterionella formosa							120	
Centric diatom						40		
Chaetoceros convolutus / concavicornis			40					
Chaetoceros convolutus f. *trisetosa*				80		40		
Chaetoceros danicus		40	40					
Chaetoceros debilis								80
Chaetoceros furcellatus					40			
Chaetoceros similis							40	
Chaetoceros socialis								40
Chaetoceros spp. (Hyalochaete)				40				80
Commation cryoporinum								40
Corethron hystrix			40					
Coscinodiscus radiatus						40		
Coscinodiscus spp.			40					
Cylindrotheca closterium	560	200	1320	680	680	960	240	920
Dictyocha speculum		40	200	40	40	40		80
Eutreptiella sp.	40	80	40	120				240
Gyrodinium spp.		80	40	80	40			40
Laboea sp.				40				
Leptocylindrus minimus					40			
Licmophora spp.		40						
Mesodinium rubrum	360	520	120	480	80	40	320	2280
Navicula distans	40					40		40
Navicula transitans var. *derasa* f. *delicatula*			80	80	80	160		40
Odontella aurita		40						
Pennate diatom		40	240	120	320	240	80	160
Pleurosigma angulatum							40	
Pleurosigma strigosum			40		40			
Porosira glacialis					40			
Prorocentrum minimum			40					
Protoperidinium spp.		40						
Pseudo-nitzschia delicatissima	80	280	240	240	240	200	120	280
Rhizosolenia setigera	40							
Skeletonema costatum	440	240	240	200	120	80	80	160
Thalassionema nitzschioides	40		40		40	40		
Thalassiosira anguste-lineata		40						80
Thalassiosira bioculata var. *exigua*					40			
Thalassiosira nordenskioeldii						40		
Thalassiosira spp.	40	120	160	200	160	80	40	80
Tintinnida	80	400	120	120	40	80	40	1680
Tintinnopsis beroidea				40				

6-Apr-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Unarmoured dinoflagellate	40		80	240				40
12-Apr-11								
Alexandrium fundyense		80					40	
Alexandrium fundyense (duplet)		40						
Amphidinium carterae	40							80
Armoured dinoflagellate		40					40	80
Asterionellopsis glacialis	40						40	
Chaetoceros atlanticus								40
Chaetoceros convolutus f. *trisetosa*	40	40						
Chaetoceros debilis								80
Chaetoceros decipiens		40						
Chaetoceros spp. (Hyalochaete)		40					40	40
Commation cryoporinum								120
Cylindrotheca closterium	920	280					240	120
Dictyocha speculum	40							160
Dinophysis acuminata								40
Ebria tripartita	40							
Entomoneis spp.	40							
Eutreptiella sp.	120							1280
Gyrodinium spp.	120	80					40	280
Heterocapsa triquetra		40						
Laboea sp.	40							
Leptocylindrus minimus		40						40
Licmophora spp.							40	
Mediopyxis helysia	40							
Meridion circulare								40
Mesodinium rubrum	400						520	240
Navicula distans	40						40	
Navicula transitans var. *derasa* f. *delicatula*	80							
Odontella aurita							40	
Paralia sulcata							40	
Pennate diatom	80	160					40	80
Pleurosigma strigosum	40							
Porosira glacialis		40					40	
Prorocentrum minimum								320
Pseudo-nitzschia delicatissima	160	360						200
Rhizosolenia setigera							80	
Skeletonema costatum		520						
Thalassiosira anguste-lineata		40						
Thalassiosira gravida							40	
Thalassiosira spp.	80	120						80
Tintinnida	520	40					120	280
Unarmoured dinoflagellate	200							600
15-Apr-11								
Alexandrium fundyense			40		40			
Amphidinium carterae				40	40			
Armoured dinoflagellate			40		40			
Asterionellopsis glacialis				40				
Ceratium spp.			40					

15-Apr-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros convolutus / concavicornis			80					
Chaetoceros convolutus f. *trisetosa*			40		40			
Chaetoceros debilis					40			
Chaetoceros decipiens			40					
Chaetoceros filiformis					40			
Chaetoceros socialis					40			
Chaetoceros spp. (Hyalochaete)			120	40	160	40		
Commation cryoporinum				40	40			
Copepoda					40			
Corethron hystrix			40					
Cylindrotheca closterium				480	1160	520		
Dictyocha speculum			40		80			
Ditylum brightwellii					40			
Entomoneis spp.				40		40		
Eutreptiella sp.				320	80	40		
Gyrodinium spp.			80	160	80	40		
Gyrosigma fasciola						40		
Heterocapsa triquetra			40					
Laboea sp.			80	40				
Leptocylindrus minimus			40		40			
Mesodinium rubrum			360	640	40	40		
Navicula distans				40				
Navicula transitans var. *derasa* f. *delicatula*					40	40		
Paralia sulcata						40		
Pennate diatom			40	80	200	200		
Pleurosigma strigosum						80		
Porosira glacialis				80	40			
Prorocentrum minimum				80				
Pseudo-nitzschia delicatissima			520	440	760	120		
Rhizosolenia setigera				40				
Skeletonema costatum			560	440	120	80		
Thalassionema nitzschioides						40		
Thalassiosira gravida					40	40		
Thalassiosira nordenskioeldii				80	40			
Thalassiosira sp. (tiny)				80				
Thalassiosira spp.			200	280	320	160		
Tintinnida			680	880	80	80		
Unarmoured dinoflagellate			400	320	40			
19-Apr-11								
Actinoptychus senarius					80			
Alexandrium fundyense		80					80	40
Armoured dinoflagellate	40	40		40		40	80	80
Asterionella formosa							40	
Asterionellopsis glacialis					40			40
Biddulphia alternans							40	
Chaetoceros contortus				80				
Chaetoceros convolutus		40						
Chaetoceros danicus					40			
Chaetoceros debilis	40							40

19-Apr-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros decipiens		40						40
Chaetoceros similis								40
Chaetoceros socialis			40					
Chaetoceros spp. (Hyalochaete)	40	40	80	80	80	80		80
Corethron hystrix				40				
Coscinodiscus concinnus							40	
Coscinodiscus spp.							80	
Cylindrotheca closterium	360		160	360	440	400	120	
Dictyocha speculum				40				40
Ditylum brightwellii					40			
Eutreptiella sp.		40	80					560
Gyrodinium spp.		240	80	40	120	40		40
Laboea sp.								40
Licmophora spp.		40						
Mediopyxis helysia		40				40		
Melosira monoliformis								40
Mesodinium rubrum	280	40	40	120		120	40	120
Navicula distans	40			40			80	
Navicula transitans var. *derasa* f. *delicatula*			40	40	120			
Notholca spp.	40							
Odontella aurita							40	
Pennate diatom	240	40	40		80		320	160
Pleurosigma angulatum						80		
Pleurosigma strigosum				40				
Porosira glacialis	40			160	120	40		
Pseudo-nitzschia delicatissima	160	200	160	80	200	160	80	120
Rhizosolenia setigera			40			40		
Skeletonema costatum	240		40		40	40	40	160
Thalassionema nitzschioides					40	120		
Thalassiosira anguste-lineata				40				
Thalassiosira gravida					40			
Thalassiosira nordenskioeldii				80				
Thalassiosira spp.	40	40	160	240	200	160	80	
Tintinnida	200	200	200			40	40	280
Tintinnopsis beroidea					40	40		
Unarmoured dinoflagellate	80	280	80	160				400
26-Apr-11								
Alexandrium fundyense		20	80		40		60	160
Alexandrium fundyense (duplet)							20	20
Alexandrium ostenfeldii		20						40
Amphidinium carterae						40		120
Apedinella radians								40
Armoured dinoflagellate	40	80	40	80	40		80	80
Asterionella formosa							80	40
Asterionellopsis glacialis		40		40				
Chaetoceros convolutus f. *trisetosa*		40						
Chaetoceros debilis		20			80		40	
Chaetoceros similis	40		40					
Chaetoceros socialis				200	360			

26-Apr-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros spp. (Hyalochaete)	80	20	40	120	120	320		40
Corethron hystrix		20		40				
Cylindrotheca closterium	400	520	640	800	920	320		160
Dictyocha speculum		20				80		40
Dinobryon spp.								80
Dinophysis norvegica					40			
Ditylum brightwellii				80		40		
Eutreptiella sp.	80	220	360					1920
Gyrodinium spp.	120	60	80	40	80	80		
Gyrosigma fasciola						40		
Laboea sp.	80							80
Leptocylindrus minimus	40	40	40					
Mediopyxis helysia					40			
Membraneis challengeri					160	80		
Mesodinium rubrum	1560	440	2520	200	120	40	40	1080
Navicula distans	120	20					40	
Navicula transitans var. *derasa*		20						
Navicula transitans var. *derasa* f. *delicatula*	40			40	80	120		40
Odontella aurita				40			40	
Pennate diatom					40	320	440	80
Phaeocystis pouchetii								40
Pleurosigma / Gyrosigma		20						
Pleurosigma strigosum				40	80	40		
Porosira glacialis		60	120	160	640	480		
Prorocentrum minimum								280
Protoperidinium brevipes		20						
Pseudo-nitzschia delicatissima	280	580	320	440	240	560		
Rhizosolenia hebetata f. *semispina*		20		40				
Rhizosolenia setigera								40
Skeletonema costatum	40	180	200	80	40		80	40
Tabellaria spp.							40	
Thalassionema nitzschioides		20		40	40	80		
Thalassiosira anguste-lineata		40			120			
Thalassiosira baltica						40		
Thalassiosira gravida		20		120	120			
Thalassiosira nordenskioeldii	40	40		640	360			
Thalassiosira sp. (tiny)							40	
Thalassiosira spp.	80	180	120	240	1040	1720	80	40
Tintinnida	2400	680	840	200	160	80	1120	3960
Tintinnopsis beroidea		60						
Unarmoured dinoflagellate	200	120	120	80		40	40	2280
3-May-11								
Actinoptychus senarius					80			
Alexandrium fundyense	320	1360	220	160	40			100
Alexandrium fundyense (duplet)	80	240		40				20
Alexandrium fundyense (quadruplet)		40						
Alexandrium ostenfeldii	40	80						
Amphidinium carterae								40
Amphidinium sphenoides						40		

3-May-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Apedinella radians								40
Armoured dinoflagellate	80	320	280					40
Asterionellopsis glacialis			40		40	120		
Brachionus spp.			120					
Centric diatom						40		
Ceratium longipes	40	80						
Chaetoceros contortus			40					
Chaetoceros convolutus			40					
Chaetoceros convolutus f. *trisetosa*		40						
Chaetoceros danicus				40				
Chaetoceros debilis								40
Chaetoceros decipiens		40						
Chaetoceros similis	40							
Chaetoceros socialis						80		
Chaetoceros spp. (Hyalochaete)	120		40		80	120	40	40
Commation cryoporinum								40
Corethron hystrix					40		40	
Cylindrotheca closterium	80		400	280	520	120		80
Dictyocha speculum		40						
Dinobryon spp.	40						80	
Dinophysis norvegica		40						
Eutreptiella sp.	40		200					400
Grammatophora marina				40				
Gyrodinium spp.	360	200	160	80	40	160		
Heterocapsa triquetra		40	40					
Laboea sp.	40	40	120	80				80
Leptocylindrus minimus		40	40					
Licmophora spp.							40	
Membraneis challengeri					120			
Mesodinium rubrum	600	4520	8600	200	240	120	40	1960
Navicula distans	80			160	40	160		
Navicula transitans var. *derasa* f. *delicatula*			40	80	80			40
Paralia sulcata					40			
Pennate diatom	80		120	200	160	40	400	40
Pleurosigma strigosum						40		
Porosira glacialis	160		40	40	160	80		40
Protoperidinium ovatum								80
Protoperidinium spp.		40						
Pseudo-nitzschia delicatissima	200	240	560	480	200	80	80	200
Scrippsiella sp.		40						
Skeletonema costatum	200		800	80	80		160	80
Thalassionema nitzschioides						40		
Thalassiosira baltica						80		
Thalassiosira gravida			40		40	120		
Thalassiosira nordenskioeldii				40			40	
Thalassiosira sp. (tiny)							40	
Thalassiosira spp.	40		240	400	80	200	40	
Tintinnida	160	2000	8720	320	160	40	640	2160
Tintinnopsis beroidea					40			

3-May-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Unarmoured dinoflagellate	400	360	880	160	280		120	1040
10-May-11								
Alexandrium fundyense							40	
Armoured dinoflagellate							80	
Asterionella formosa							40	
Chaetoceros filiformis							40	
Cylindrotheca closterium							80	
Dinobryon spp.							40	
Eutreptiella sp.							80	
Heterocapsa triquetra							40	
Laboea sp.							40	
Mesodinium rubrum							80	
Navicula distans							80	
Pennate diatom							120	
Pleurosigma / Gyrosigma							40	
Protoperidinium spp.							40	
Pseudo-nitzschia delicatissima							40	
Skeletonema costatum							160	
Thalassiosira spp.							40	
Tintinnida							200	
Unarmoured dinoflagellate							120	
17-May-11								
Alexandrium fundyense	220	1000	260	80			20	20
Alexandrium fundyense (duplet)	20							
Amphidinium carterae		40						
Amphidinium sphenoides								40
Apedinella radians		80	40					120
Armoured dinoflagellate	80	440		40				160
Asterionellopsis glacialis				40				
Aulacoseira ambigua	40	40	40		40			
Brachionus spp.		40						
Ceratium lineatum		40						
Ceratium longipes		40						
Chaetoceros convolutus f. *trisetosa*			40					
Chaetoceros decipiens					40	40		
Chaetoceros similis			160					
Commation cryoporinum				40				40
Copepoda				40				
Coscinodiscus radiatus					40			
Cylindrotheca closterium	800	1120	960	680	360	560	360	480
Dictyocha speculum		40					40	40
Dinophysis norvegica				40				
Eutreptiella sp.	280	1120	1240	400	40		80	1720
Gyrodinium spp.			40		40	80		
Heterocapsa triquetra		200	80	80				40
Laboea sp.	320	400	80	640			120	80
Leptocylindrus minimus								40
Mesodinium rubrum	2720	6560	10520	2880	160	80	360	3280
Navicula distans	80			40	40	40		40

17-May-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Navicula transitans var. *derasa* f. *delicatula*				40				
Pennate diatom	80	200	160		40		280	120
Preperidinium meuneri		40						
Prorocentrum minimum	40	240	200	120				40
Protoperidinium brevipes								40
Protoperidinium depressum	40							
Protoperidinium spp.	40		40					40
Pseudo-nitzschia delicatissima	280	240	120	80	120	80	40	160
Scrippsiella sp.		40	80					
Skeletonema costatum	120	40	80		40		40	40
Tabellaria spp.							40	
Thalassionema nitzschioides						80		
Thalassiosira baltica				40				
Thalassiosira punctigera	40							
Thalassiosira spp.		40	80		40			40
Tintinnida	280	1280	1840	1560	80		400	2000
Tintinnopsis beroidea		40		40	40			
Unarmoured dinoflagellate	240	480	240	160	40	40	280	760
24-May-11								
Alexandrium fundyense							20	
Amphidinium sphenoides								40
Armoured dinoflagellate							80	40
Centric diatom							40	
Chaetoceros similis							40	
Chaetoceros spp. (Hyalochaete)							40	
Cylindrotheca closterium							360	680
Eutreptiella sp.							200	1760
Gyrodinium spp.								40
Laboea sp.								40
Mesodinium rubrum							880	880
Navicula transitans var. *derasa* f. *delicatula*								40
Pennate diatom							40	
Prorocentrum minimum								40
Pseudo-nitzschia delicatissima							40	40
Skeletonema costatum								80
Thalassionema nitzschioides								40
Tintinnida							680	320
Unarmoured dinoflagellate							160	
31-May-11								
Actinoptychus senarius						120		
Alexandrium fundyense	960	340	80	40			340	600
Alexandrium fundyense (duplet)	200	20	20				40	40
Alexandrium ostenfeldii	40							
Amphidinium carterae		40						80
Amphidinium sphenoides				40				
Amylax triacantha	160							
Apedinella radians	1880	480	1880				360	200
Armoured dinoflagellate	440	440	160	40			80	800
Aulacoseira ambigua				40				40

31-May-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Calliacantha sp.							120	
Ceratium lineatum				40				
Ceratium longipes								80
Chaetoceros convolutus f. *trisetosa*	80	40	80	40			200	560
Chaetoceros decipiens							40	80
Chaetoceros filiformis			40				1040	880
Chaetoceros similis	160	120	40				840	520
Chaetoceros socialis			40					
Chaetoceros spp. (Hyalochaete)	120	120	320	120			80	520
Corethron hystrix	40							
Cylindrotheca closterium	2240	1880	1600	560	760	360	960	2840
Dictyocha speculum	120	120	280				40	320
Dinophysis norvegica	40							
Dinophysis pulchella			40					
Entomoneis spp.		40						
Eutreptiella sp.	9840	480	1760	160			1760	4360
Gyrodinium spp.	80	40	80	40		40	40	1440
Heterocapsa triquetra	200	200					80	600
Laboea sp.		80					120	160
Leptocylindrus minimus	160		40				200	400
Mediopyxis helysia						40		
Melosira monoliformis							40	
Mesodinium rubrum	320	720	320	360	120	40	1000	2520
Navicula distans		40		40	40	120		
Navicula transitans var. *derasa* f. *delicatula*		40		80		40		
Pennate diatom	80	40	120		40	80	160	
Pleurosigma / Gyrosigma		40						
Porosira glacialis							40	
Preperidinium meuneri		40					40	
Prorocentrum minimum	1600	440	1120					2400
Protoperidinium bipes								160
Protoperidinium ovatum								40
Protoperidinium spp.		40						40
Pseudo-nitzschia delicatissima	320	320	480	80	120		760	2440
Scrippsiella sp.			200					80
Scrippsiella trochoidea		80					120	
Skeletonema costatum	240	240	560				840	240
Thalassionema nitzschioides	40			40	40			
Thalassiosira baltica								40
Thalassiosira sp. (tiny)							80	80
Thalassiosira spp.	40	160	40	80			200	240
Tintinnida	5960	240	360	240	80		1360	8160
Tintinnopsis beroidea						40		160
Unarmoured dinoflagellate	520	280		40	40	40	680	1520
7-Jun-11								
Acanthostomella norvegica			40					
Alexandrium fundyense	440	700	360	400			80	1020
Alexandrium fundyense (duplet)			40	40				120
Amphidinium carterae				40				

7-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Amphidinium sphenoides		40	40					
Apedinella radians	360	1760	440					360
Armoured dinoflagellate	720	280	280	320		40		480
Asterionellopsis glacialis				120	40			160
Aulacoseira ambigua				80		80		40
Chaetoceros convolutus f. *trisetosa*	200	320	120				40	240
Chaetoceros debilis				120				160
Chaetoceros decipiens			40	40				200
Chaetoceros filiformis	40			80	40	120	160	760
Chaetoceros laciniosus								80
Chaetoceros similis		200	120		40		240	3520
Chaetoceros socialis			120	40				
Chaetoceros spp. (Hyalochaete)	160	440	120	160	280	120	120	1160
Chaetoceros subtilis								200
Commation cryoporinum		80						40
Copepoda	40							40
Cylindrotheca closterium	1800	1320	1240	1760	3360	1080	1240	12040
Dactyliosolen fragilissimus								40
Dictyocha speculum	320	320	40	40	80			160
Dinophysis acuminata				40	40			
Ditylum brightwellii			40					
Ebria tripartita							40	
Eutreptiella sp.	5400	2760	2440	1960	200	40	40	560
Gyrodinium spp.	880	400	920	600	40			200
Helicostomella spp.								40
Heterocapsa triquetra	400	80	160	240				
Laboea sp.	40			600				560
Leptocylindrus minimus	40	200	80		40	40	120	400
Licmophora spp.		40						
Mediopyxis helysia					40			
Meringosphaera mediterranea								40
Mesodinium rubrum	1040	320	680	360		80	160	4600
Navicula distans						40		
Navicula transitans var. *derasa* f. *delicatula*						40		
Odontella aurita		40						
Paralia sulcata					40			
Pennate diatom		160		160	120			160
Pleurosigma angulatum							40	
Porosira glacialis					40			
Preperidinium meuneri	120							
Prorocentrum minimum	720	440	240	40		40	40	480
Prorocentrum sp. (small)			80					
Protoperidinium bipes	40		160					
Protoperidinium conicum					40			
Pseudo-nitzschia delicatissima	1320	880	800	2800	1560	1080	1080	8360
Pseudo-nitzschia fraudulenta		40						
Rhizosolenia hebetata f. *semispina*			40					
Scrippsiella sp.	200		120					200
Scrippsiella trochoidea	40	720	80					

7-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Skeletonema costatum	80	400	560	80	240	160	1680	1640
Thalassionema nitzschioides						80		
Thalassiosira baltica				40	40			
Thalassiosira nordenskioeldii							40	
Thalassiosira punctigera								40
Thalassiosira sp. (tiny)								240
Thalassiosira spp.	200		40	280	80	40	80	480
Tintinnida	4800	41960	1240	5040	200	120	840	2040
Tintinnopsis beroidea			40	80		80		
Unarmoured dinoflagellate	1280	200	1040	280	40			480
13-Jun-11								
Alexandrium fundyense							640	580
Alexandrium fundyense (duplet)							60	80
Apedinella radians							1156	578
Armoured dinoflagellate							2312	1734
Calliacantha sp.							578	
Chaetoceros convolutus f. *trisetosa*							4046	1156
Chaetoceros debilis							578	1734
Chaetoceros decipiens							2312	4624
Chaetoceros diadema							578	1156
Chaetoceros filiformis							17918	9826
Chaetoceros laciniosus							578	1734
Chaetoceros radicans							578	
Chaetoceros similis							12138	17340
Chaetoceros spp. (Hyalochaete)							26588	36414
Chaetoceros subtilis								578
Cylindrotheca closterium							25432	34102
Entomoneis spp.							578	
Eutreptiella sp.								578
Guinardia delicatula								1156
Gyrodinium spp.							1156	578
Leptocylindrus minimus							3468	578
Mesodinium rubrum							2312	2890
Pennate diatom							1156	
Porosira glacialis								578
Protoperidinium bipes							578	
Protoperidinium spp.								578
Pseudo-nitzschia delicatissima							142188	168776
Scrippsiella sp.								578
Skeletonema costatum							25432	27744
Thalassiosira anguste-lineata							578	578
Thalassiosira nordenskioeldii							578	
Thalassiosira sp. (tiny)							578	2312
Thalassiosira spp.							5202	8092
Tintinnida							12138	5780
Unarmoured dinoflagellate							1156	1734
16-Jun-11								
Alexandrium fundyense	1260	860	960	2448	160			
Alexandrium fundyense (duplet)	80	20	100	144				

16-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Alexandrium fundyense (quadruplet)		20						
Amphidinium sphenoides					40			
Apedinella radians	40	80	200					
Armoured dinoflagellate	480	240	320	1872	120			
Asterionellopsis glacialis	80	80			280			
Chaetoceros affinis					40			
Chaetoceros contortus				144				
Chaetoceros convolutus f. *trisetosa*	640	560	440	144				
Chaetoceros debilis	520	80		1296	720	40		
Chaetoceros decipiens	120		40	144	280			
Chaetoceros diadema	80	40		144	160	40		
Chaetoceros filiformis	200			432	320	40		
Chaetoceros laciniosus	40		80	144	240			
Chaetoceros similis	400	200	120		640	40		
Chaetoceros socialis	80		40					
Chaetoceros spp. (Hyalochaete)	280	240	200	1440	1480			
Chaetoceros subtilis		40			120			
Commation cryoporinum			120		40			
Coscinodiscus radiatus			40					
Cylindrotheca closterium	6040	2560	4680	9936	6360	880		
Dactyliosolen fragilissimus					40			
Dictyocha speculum	80	40	160	144	40			
Entomoneis spp.					160			
Eutreptiella sp.	240	40	680	1152	80			
Guinardia delicatula				144	40			
Gyrodinium spp.	560	600	1360	1872	120			
Gyrosigma fasciola					40			
Helicostomella spp.			80					
Heterocapsa triquetra		80		432				
Laboea sp.	480	120	440	3168				
Leptocylindrus minimus	400	160	40	144	80			
Membraneis challengeri	40		40			40		
Meringosphaera mediterranea			80					
Mesodinium rubrum	2560	1320	3120	4464	120			
Navicula distans	40	40			40	160		
Navicula transitans var. *derasa* f. *delicatula*				144	80			
Pennate diatom	80	80	160	288	160	40		
Porosira glacialis			40					
Preperidinium meuneri	120		120					
Prorocentrum minimum	40			288				
Protoperidinium bipes			80					
Protoperidinium brevipes					40			
Protoperidinium ovatum	40			144				
Protoperidinium spp.	40							
Pseudo-nitzschia delicatissima	5840	1880	5280	16704	19040	1920		
Pseudo-nitzschia seriata					40			
Scrippsiella sp.	240							
Scrippsiella trochoidea	280	1000	480					
Skeletonema costatum	320	240	240		1520	160		

16-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassionema nitzschioides				144	40			
Thalassiosira baltica	120		40	432				
Thalassiosira bioculata var. *exigua*			40					
Thalassiosira gravida						40		
Thalassiosira nordenskioeldii			40					
Thalassiosira punctigera					40			
Thalassiosira sp. (tiny)	80							
Thalassiosira spp.	680	160	560	2304	2480	160		
Tintinnida	5520	2840	2480	76874	560			
Tintinnopsis beroidea	80			432	120	40		
Unarmoured dinoflagellate	1000	840	1680	1152	240			
21-Jun-11								
Acanthostomella norvegica			40					
Alexandrium fundyense	1200	1200	1760	288		40	1000	2736
Alexandrium fundyense (duplet)	120	120	200				40	
Alexandrium fundyense (planozygote)							40	144
Alexandrium fundyense (quadruplet)							40	
Alexandrium ostenfeldii								144
Amphidinium carterae			40					
Amphidinium sphenoides				144				144
Apedinella radians			40	144				
Armoured dinoflagellate	760	520	1000	576			3468	4320
Asterionellopsis glacialis		40	80	432	40	280	1156	2160
Brachionus spp.		40						
Ceratium longipes		40						
Chaetoceros contortus					40	40		2016
Chaetoceros convolutus f. *trisetosa*	320	360	440	288	120		1445	864
Chaetoceros debilis	280	120	360	720	480	40	5780	11088
Chaetoceros decipiens					40		289	720
Chaetoceros diadema	40			144	120	40		
Chaetoceros filiformis	40			144			1734	288
Chaetoceros furcellatus								144
Chaetoceros laciniosus	120	40	240		40		1445	1584
Chaetoceros pseudobrevis					40			
Chaetoceros radicans							289	
Chaetoceros similis	120	120	80	288	240		867	432
Chaetoceros socialis	280						1734	2880
Chaetoceros spp. (Hyalochaete)	360	240	200	1584	240	160	13583	11952
Commation cryoporinum					40			
Copepoda		80						
Corethron hystrix								144
Cylindrotheca closterium	6400	8520	7280	18720	5080	3440	19652	2592
Dactyliosolen fragilissimus	40		40					144
Dictyocha speculum	120	40	160	288				144
Dinobryon spp.			40					576
Dinophysis acuminata	40			144				
Dinophysis norvegica			120					
Dinophysis pulchella								288
Ebria tripartita			40					576

21-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Entomoneis spp.						40		
Eutreptiella sp.	160	280	960	720	160			
Grammatophora marina					40	40		
Guinardia delicatula							867	144
Gyrodinium spp.	160	280	1120	1584		40		1440
Helicostomella spp.	40							864
Heterocapsa triquetra	40	40	120					432
Laboea sp.		40	80	1296			289	144
Leptocylindrus minimus	360	40	160		200		2312	288
Membraneis challengeri								144
Mesodinium rubrum	560	760	1400	1584	80		4046	5040
Navicula distans	40				80		289	
Navicula transitans var. *derasa* f. *delicatula*				144				
Pennate diatom	40	120	80			80		
Pleurosigma / Gyrosigma		40						
Pleurosigma angulatum							289	
Porosira glacialis							289	
Preperidinium meuneri			80					432
Prorocentrum minimum	160		160	144			867	1728
Prorocentrum sp. (small)		240						
Protoperidinium bipes			160					288
Protoperidinium brevipes			40					
Protoperidinium spp.			40					144
Pseudo-nitzschia delicatissima	4280	8080	15840	52020	14400	3640	78608	211709
Scrippsiella sp.	40	120						2880
Scrippsiella trochoidea	440	160	720					720
Skeletonema costatum	280	320	480	288	480	240	14450	4752
Thalassionema nitzschioides			40		80			
Thalassiosira anguste-lineata						40	289	144
Thalassiosira baltica		80		144	80			
Thalassiosira nordenskioeldii			40	432			578	144
Thalassiosira sp. (tiny)	40		40				578	288
Thalassiosira spp.	880	480	1040	2880	560	240	11560	2880
Tintinnida	720	4960	4040	12816	200	400	2312	2160
Tintinnopsis beroidea		40		720				
Unarmoured dinoflagellate	720	720	2680	1440			2023	3168
28-Jun-11								
Alexandrium fundyense	8800	2720	320	200			1872	17520
Alexandrium fundyense (duplet)	640	280	40					160
Alexandrium fundyense (planozygote)		40					432	8080
Alexandrium fundyense (quadruplet)		40						
Alexandrium fundyense (triplet)	160							
Amylax triacantha				40				
Apedinella radians	400	80						80
Armoured dinoflagellate	4400	2520	1000	240	120		3468	8480
Asterionellopsis glacialis		80	240	1040	600	240	25721	2400
Aulacoseira ambigua							289	80
Brachionus spp.	240		40					80
Chaetoceros contortus	80		80	160	120		4913	10880

28-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros convolutus f. *trisetosa*	1520	520	240		80		867	80
Chaetoceros debilis	800	40	680	720	400	40	46240	2000
Chaetoceros decipiens							867	
Chaetoceros filiformis					80	40	289	
Chaetoceros furcellatus						40	289	
Chaetoceros laciniosus		40	40				2023	240
Chaetoceros pseudobrevis					120			
Chaetoceros radicans							578	80
Chaetoceros similis	320	80	40				578	
Chaetoceros socialis	80		40	80	160		27744	480
Chaetoceros spp. (Hyalochaete)	720	240	680	880	520	120	10693	8000
Chaetoceros spp. (Phaeoceros)				200				
Chaetoceros subtilis							289	
Chrysochromulina parkeae								80
Corethron hystrix		40	160					
Coscinodiscus radiatus		40						80
Cylindrotheca closterium	4480	4320	4480	5280	5040	2640	20808	80
Dactyliosolen fragilissimus		80						
Dictyocha speculum	960	160	520	160	40			160
Dinobryon spp.							289	480
Dinophysis acuminata		40	40	80				
Dinophysis norvegica			40					
Ebria tripartita		40						
Entomoneis spp.					120		289	
Eutreptiella sp.	400		1160	240	200			160
Favella spp.		40						160
Guinardia delicatula	80				200		867	240
Gyrodinium spp.	640	40	600	520	120			640
Helicostomella spp.	80		40				289	880
Heterocapsa triquetra	1680	1520	80		40		578	2480
Laboea sp.			240	40				240
Leptocylindrus minimus	560	280	240	200	40		2312	
Membraneis challengeri		40	40					
Mesodinium rubrum	2160	800	2160	480	120	40	3179	7760
Navicula distans				40		40		
Navicula transitans var. *derasa* f. *delicatula*				40				
Oxytoxum spp.								160
Pennate diatom		120	80	80		40	1156	160
Polykrikos spp.								80
Porosira glacialis							289	
Preperidinium meuneri								320
Prorocentrum minimum	240	80	80					80
Protoperidinium americanum							289	
Protoperidinium bipes	320							
Protoperidinium brevipes								160
Protoperidinium conicum								240
Protoperidinium spp.		40	80	40	40		578	160
Protoperidinium steinii	80							80
Pseudo-nitzschia delicatissima	5760	6880	5440	4840	7360	1120	11560	640

28-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia seriata		40						
Pseudo-nitzschia seriata group							289	
Scrippsiella sp.			120				2023	12800
Scrippsiella trochoidea	2880	2120	80				867	1680
Skeletonema costatum	1280	3960	680	520	360	280	23120	4400
Thalassionema nitzschioides			40	120		120		
Thalassiosira anguste-lineata			40					
Thalassiosira baltica		80				40		
Thalassiosira bioculata var. *exigua*		40	80					
Thalassiosira gravida			40		80		867	
Thalassiosira nordenskioeldii	240			200			289	240
Thalassiosira sp. (tiny)	160			40				
Thalassiosira spp.	3520	2360	1360	2240	1440		867	240
Tintinnida	2080	1560	3320	2360	520		3757	3440
Tintinnopsis beroidea		40	240	120	80			
Unarmoured dinoflagellate	2080	440	2640	360	40	40	289	2400
5-Jul-11								
Alexandrium fundyense	2880	29767	3888	1156	144		144	
Alexandrium fundyense (duplet)	400	2601	144					
Alexandrium fundyense (planozygote)		867						
Alexandrium fundyense (triplet)	160	289	144					
Apedinella radians			289					
Armoured dinoflagellate	4640	37281	10404	1445	288		4464	1872
Asterionellopsis glacialis	2080	2601	3179	8670	4032	200	5616	4320
Cerataulina pelagica	80						144	
Ceratium lineatum			578					
Ceratium longipes					144			
Ceratium spp.								288
Chaetoceros contortus	2080	1445	1734	6358	1728	160	10224	11520
Chaetoceros convolutus f. *trisetosa*	1360	3179	578	867	288		288	288
Chaetoceros debilis	1840	2023	2601	6647	1872		11376	7488
Chaetoceros decipiens	160	578	578	578			144	
Chaetoceros furcellatus								288
Chaetoceros laciniosus	240		578					288
Chaetoceros pseudobrevis					288			
Chaetoceros radicans	240				144	40		
Chaetoceros similis	80						864	
Chaetoceros socialis	1840	2023	4913	289	2448		3312	4176
Chaetoceros spp. (Hyalochaete)	7200	10982	8092	6069	1440	240	18720	20448
Chaetoceros subtilis		289						
Commation cryoporinum					144			
Corethron hystrix	240						144	
Cylindrotheca closterium	8720	2312	4335	8959	18288	2280	8064	9072
Dactyliosolen fragilissimus	160	578	578	578			144	
Dictyocha speculum	160	578		578			288	144
Dinophysis acuminata				289				
Dinophysis norvegica								144
Ebria tripartita	80							
Entomoneis spp.	80		289	578			144	

5-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Eucampia zodiacus					144			
Eutreptiella sp.	80	289		289				144
Guinardia delicatula	560	578	289	578			4752	720
Guinardia flaccida			289					
Gyrodinium spp.	720	289	1156	289	144			
Helicostomella spp.	240	289	578				144	144
Heterocapsa triquetra	400	7514	2023				144	
Laboea sp.	160			289				144
Leptocylindrus minimus	720	867	2312	1445			2736	720
Mediopyxis helysia	160			289				
Membraneis challengeri	80		1156	289				
Mesodinium rubrum	1920	4624	2890	867	432		2304	432
Navicula distans	80							
Paralia sulcata	80							
Pennate diatom	80	289					1152	864
Pleurosigma angulatum							144	
Porosira glacialis	160	289			144	40		
Preperidinium meuneri	80	289						
Prorocentrum minimum	160	578	578					
Protoperidinium americanum			289					
Protoperidinium bipes			289				288	
Protoperidinium spp.		867	289					
Protoperidinium steinii		289	289					
Pseudo-nitzschia delicatissima	4960	1156	2023	4335	6192	200	2880	1872
Pseudo-nitzschia pseudodelicatissima					144			
Pseudo-nitzschia pungens				289				
Pseudo-nitzschia seriata							432	
Pseudo-nitzschia seriata group			578	289				
Scrippsiella sp.	2080	30634	2601				1152	
Scrippsiella trochoidea	1200	11560	10404	578			144	
Skeletonema costatum	134400	282064	223108	175134	11952	240	144	8640
Stephanopyxis turris		289						
Thalassionema nitzschioides	160	289		1156	288	40	144	288
Thalassiosira anguste-lineata	160	289			144		144	144
Thalassiosira baltica	240			289	288	120		
Thalassiosira bioculata var. *exigua*		289						
Thalassiosira gravida	80			578				
Thalassiosira nordenskioeldii	720	578	867	578		40		144
Thalassiosira punctigera						40		
Thalassiosira sp. (tiny)	400	1445	1734	578				
Thalassiosira spp.	18720	36414	34391	51442	7776	40	1008	3600
Tintinnida	1520	1734	5202	5202	432	40	576	720
Tintinnopsis beroidea			289	289		120		144
Unarmoured dinoflagellate	560	867	1156	2023	432		288	432
12-Jul-11								
Alexandrium fundyense	289	880	7776	1156		289		
Alexandrium fundyense (planozygote)		80	1872					
Alexandrium ostenfeldii		160						
Apedinella radians								320

12-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	12138	5280	22320	4913		867	867	8080
Asterionellopsis glacialis	6647	2480	720	8092	16184	7514	3468	
Attheya spp.								80
Brachionus spp.		80		289				
Cerataulina pelagica	289	80			289		289	560
Ceratium longipes				578				
Chaetoceros contortus	5780	1280	1728	14450	5202	6069	8092	4240
Chaetoceros convolutus f. *trisetosa*	1156	480	432		578		289	160
Chaetoceros danicus								80
Chaetoceros debilis	578	240		578	289		1445	80
Chaetoceros decipiens			720					
Chaetoceros filiformis	867	160		289				
Chaetoceros laciniosus		80					289	
Chaetoceros similis	289						1156	80
Chaetoceros socialis	11271			2023	2890	1156	55777	29760
Chaetoceros spp. (Hyalochaete)	4335	3920	4320	9537	6358	5780	2601	2640
Commation cryoporinum								80
Corethron hystrix								80
Coscinodiscus radiatus							289	
Cylindrotheca closterium	13872	960	576	578	17051	17629	6647	720
Dactyliosolen fragilissimus	578	160	576			578	289	
Dictyocha speculum	289						578	320
Dinobryon spp.		320	1296					80
Dinophysis norvegica				289				
Dinophysis pulchella			144					
Dinophysis spp.		80	144					
Ebria tripartita		160						1200
Entomoneis spp.		80			2023	289		
Eucampia groenlandica	289						289	
Eutreptiella sp.	3179	480	4176	867			578	2080
Guinardia delicatula	2890	1760	864	2890	2601	5202	17340	13360
Gyrodinium spp.		560	288	2023	289	578	289	880
Helicostomella spp.	289	400		867				160
Heterocapsa triquetra	2023	4880	7200	3179			867	2960
Laboea sp.	289			3757			289	
Leptocylindrus minimus	4913	3520	864	2601	289	1445	5780	4320
Mediopyxis helysia					289			
Membraneis challengeri				289	289			
Mesodinium rubrum	11560	1360	7776	2023	578		4046	5040
Navicula transitans var. *derasa* f. *delicatula*	289			289				
Pennate diatom	1156	400	144		289	867	578	400
Polykrikos spp.		240	144					160
Porosira glacialis						289		
Prorocentrum minimum	289	400		1156				240
Protoperidinium conicum		80						
Protoperidinium spp.	289	320	720	578				400
Protoperidinium steinii		80		289				
Pseudo-nitzschia delicatissima	2023	480	144	867	8381	28611	3468	160
Pseudo-nitzschia pseudodelicatissima			144					

12-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Rhizosolenia setigera								80
Scrippsiella sp.	7803	5040	12960	3757			578	6000
Scrippsiella trochoidea		480	7344	289				960
Skeletonema costatum	180336	258944	167042	167909	87567	65892	1156	
Thalassionema nitzschioides	289				578		289	
Thalassiosira anguste-lineata	289	160		578			289	
Thalassiosira baltica		80		289				
Thalassiosira bioculata var. *exigua*						289		
Thalassiosira gravida			288	578	1156	289	289	80
Thalassiosira nordenskioeldii	289							
Thalassiosira punctigera				578				
Thalassiosira sp. (tiny)	867	80	144	289		289		
Thalassiosira spp.	16473	2400	3024	37570	15895	13294	1156	320
Tintinnida	4624	3280	2016	8670	289	2312	2890	6400
Tintinnopsis beroidea				289				
Unarmoured dinoflagellate	1156	480	720	2312			1156	1440
19-Jul-11								
Alexandrium fundyense	5760	103462	6120	280	864			240
Alexandrium fundyense (duplet)	432	5491	360					
Alexandrium fundyense (fusing)		867	40					
Alexandrium fundyense (planozygote)	288	5202	160					40
Alexandrium fundyense (quadruplet)		578	40					
Alexandrium fundyense (triplet)		578	40					
Alexandrium ostenfeldii	144	289	40					
Amphidinium carterae			120	80				
Amylax triacantha			80					40
Apedinella radians	144	578	120				144	360
Armoured dinoflagellate	10944	199988	2120	520	864		288	2600
Asterionellopsis glacialis	144		40	280	1008	280	144	
Centric diatom			40					
Cerataulina pelagica	1584	578	680	480	1872		3456	840
Ceratium lineatum								40
Ceratium longipes	144	578	200	40	144			120
Chaetoceros contortus	1872	1445	160	520	1008	80		40
Chaetoceros convolutus f. *trisetosa*	432		120	40	144			
Chaetoceros debilis	288	578	40	40	144		864	
Chaetoceros decipiens			40		288			
Chaetoceros filiformis	144							
Chaetoceros laciniosus	720		40	80				
Chaetoceros radicans	432	867	240	320	2448			40
Chaetoceros similis							1008	
Chaetoceros socialis	17424	3468	5920	1880	1584		34128	2640
Chaetoceros spp. (Hyalochaete)	3312	1156	1280	3680	3888	560	864	
Chrysochromulina parkeae								40
Commation cryoporinum					288			
Copepoda			160				288	
Corethron hystrix	144							40
Coscinodiscus radiatus				40	144			
Cylindrotheca closterium	8064	1734	1440	3120	21024	6040	5328	80

19-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Dactyliosolen fragilissimus							288	40
Dictyocha speculum	1008	1445	600	440	2016		576	760
Dinobryon spp.	432		40					
Dinophysis acuminata	144	289	560	200	144			80
Dinophysis norvegica				40				
Ebria tripartita	288		720	320	144		2448	2240
Entomoneis spp.					1152	120	288	
Eucampia groenlandica		289						
Eucampia zodiacus	144							
Eutreptiella sp.	2160	2312	1240	480	576		1008	960
Gonyaulax digitale		289						
Guinardia delicatula	1296	289	1560	1800	2448	440	68544	7720
Gyrodinium spp.	864		640	520	432	200	288	40
Helicostomella spp.	1152		240					120
Heterocapsa triquetra	21312		3000	560	864		144	5040
Laboea sp.	576		360	440	864		144	
Leptocylindrus danicus				120				
Leptocylindrus minimus	864	289	160	480	720	160	2736	40
Mediopyxis helysia						40		
Membraneis challengeri			40	120		40		
Mesodinium rubrum	17136	867	1920	2160	2160		432	5200
Navicula distans	144			40	144	40		
Navicula transitans var. *derasa* f. *delicatula*			40	40	288			
Pennate diatom		578	120		144	80	288	
Polykrikos spp.	288		80					80
Prorocentrum micans								40
Prorocentrum minimum	4464		1800	560	1296		432	1080
Protoperidinium bipes			80					40
Protoperidinium brevipes			160					
Protoperidinium conicum					144			
Protoperidinium punctulatum			120	80				
Protoperidinium spp.		289	200	120	864			
Protoperidinium steinii			80	80				
Pseudo-nitzschia americana							288	
Pseudo-nitzschia delicatissima			400	1120	4176	160	1440	40
Pseudo-nitzschia pseudodelicatissima	1152					1280		
Pseudo-nitzschia pungens				80				
Pseudo-nitzschia seriata								40
Rhizosolenia setigera				40				
Scrippsiella sp.	10224	397086	800					3120
Scrippsiella trochoidea	1008	74562	480					240
Skeletonema costatum	2016	3468	1080	520	4320	1040		
Thalassionema nitzschioides	288		40	80	432	240		
Thalassiosira anguste-lineata	144	289	40	40	432	40		40
Thalassiosira baltica			120	40	432			
Thalassiosira gravida	576		200	200	144	80	144	80
Thalassiosira nordenskioeldii		578	120	40				
Thalassiosira sp. (tiny)			40					
Thalassiosira spp.	2880	578	1400	4160	12528	1560	144	40

19-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	6048	1156	4360	6360	3600	160	1872	1400
Tintinnopsis beroidea	288		280	560	1008		288	
Unarmoured dinoflagellate	3024	2601	2520	720	1440	160	288	680
26-Jul-11								
Alexandrium fundyense	864	576	920	288				288
Alexandrium fundyense (duplet)			120	144				
Alexandrium fundyense (planozygote)			40					
Alexandrium fundyense (quadruplet)			40					
Amphidinium carterae				144				
Apedinella radians	289		1734					
Armoured dinoflagellate	19941	6936	17051	144	120		867	6358
Asterionellopsis glacialis				432	80	80	289	
Attheya longicornis							289	
Aulacoseira ambigua					40			
Cerataulina pelagica	16762	9826	6358	6768	160		117912	136986
Ceratium longipes			867	144				
Chaetoceros affinis				720				
Chaetoceros contortus	3179	9826	289	432			578	289
Chaetoceros convolutus f. *trisetosa*	289		289	432	120			
Chaetoceros danicus				144	80			
Chaetoceros debilis	1156			144	40		1156	289
Chaetoceros decipiens	289			288				
Chaetoceros didymus	578		289				1156	
Chaetoceros laciniosus	1445	1156				40		289
Chaetoceros lorenzianus	289							
Chaetoceros radicans	6069	4046	5202	7488	320		289	
Chaetoceros similis							1445	867
Chaetoceros socialis	43061	6936	1734	1728			122536	27744
Chaetoceros spp. (Hyalochaete)	10115	71094	4335	6192	400		1156	2023
Commation cryoporinum			289		40	40		
Copepoda				144	80			
Corethron hystrix						40	289	289
Coscinodiscus spp.					40			
Cylindrotheca closterium	9248	5780	10115	21888	17520	7400	7514	2023
Dactyliosolen fragilissimus		578						
Dictyocha speculum	289		2890	144	40		1156	
Dinophysis acuminata	1156		289	144				
Dinophysis fortii		578						
Ebria tripartita	289		289				1734	3179
Entomoneis spp.				144	80	80		
Eucampia zodiacus		578						
Eutreptiella sp.	578	578	10693	1440			1156	1734
Favella spp.								289
Gonyaulax alaskensis								289
Gonyaulax spinifera			289					
Guinardia delicatula	578				40	40	867	
Gyrodinium spp.	289	3468	867	432	40			289
Helicostomella spp.	1734	578	289				1156	4624
Heterocapsa triquetra	158372	162996	76585	1008	40		289	32368

26-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Laboea sp.	289							
Leptocylindrus minimus		578	289		40		2601	578
Mediopyxis helysia						40		
Membraneis challengeri				144	40			
Mesodinium rubrum	38437	3468	5491	432		160	13294	22253
Navicula distans					40	80	289	
Navicula transitans var. *derasa*			578	288	40			
Navicula transitans var. *derasa* f. *delicatula*				288				
Pennate diatom					1200	120		
Polykrikos spp.	1734	1156	578					
Prorocentrum micans			289					
Prorocentrum minimum	4624	2312	5780	576				
Protoperidinium spp.	289		289		120			
Pseudo-nitzschia americana							2023	
Pseudo-nitzschia delicatissima	2312	2890	4046		120		867	289
Pseudo-nitzschia pseudodelicatissima				7632	1320	720		
Pseudo-nitzschia subpacifica						40		
Rhizosolenia setigera				144				
Scrippsiella sp.	24854	17918	18496					3468
Scrippsiella trochoidea	2601		578					289
Skeletonema costatum	10693	50286	2312	3168	40	520		
Thalassionema nitzschioides					200	280		289
Thalassiosira baltica				144		120		
Thalassiosira gravida	2023				40			
Thalassiosira oestrupii					40			
Thalassiosira sp. (tiny)					40			
Thalassiosira spp.	1734	5780		2448	40			
Tintinnida	15028	15028	34102	2592	200	120	1734	20230
Tintinnopsis beroidea	289			288	120		578	
Unarmoured dinoflagellate	3468	1734	6069				867	289
2-Aug-11								
Alexandrium fundyense				289				40
Alexandrium fundyense (cyst)								40
Amphidinium sphenoides			289					
Apedinella radians			289					
Armoured dinoflagellate	4624	7803	5780	1156	40		160	360
Asterionellopsis glacialis	867			867	40		80	80
Attheya longicornis							200	
Centric diatom						40		
Cerataulina pelagica	4624	1445	2601	1734	40		680	1040
Ceratium horridum								40
Ceratium longipes		289						40
Ceratium tripos								40
Chaetoceros contortus	867	1156	1734	867	160		80	80
Chaetoceros debilis	578	289	867	289			40	240
Chaetoceros diadema								40
Chaetoceros didymus		289		289	40		120	160
Chaetoceros laciniosus	289	2312	578	289				80
Chaetoceros lorenzianus	289							

2-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros pseudobrevis				867				
Chaetoceros radicans	10693	3757	3757	1156	280	200	40	400
Chaetoceros similis	867			289	40		2320	40
Chaetoceros socialis	29478	3468	4335	4335			20360	25000
Chaetoceros spp. (Hyalochaete)	31790	114444	19941	24565	1160	400	400	1200
Chaetoceros subtilis		289						
Commation cryoporinum								40
Copepoda				289				
Corethron hystrix			289		40		40	40
Cylindrotheca closterium	24276	10693	13583	19363	14200	6480	3000	4880
Dactyliosolen fragilissimus			289				40	
Dictyocha speculum					40		400	800
Dinobryon spp.	578		289					
Dinophysis acuminata	289		289	289			40	80
Dinophysis norvegica								40
Ditylum brightwellii				289		40		
Ebria tripartita							280	
Entomoneis spp.						40		
Eucampia zodiacus		578						
Eutreptiella sp.	867	867	1445	578			200	120
Guinardia delicatula	289				40		200	40
Gyrodinium spp.	289	867	578					240
Helicostomella spp.	578	578					80	120
Heterocapsa triquetra	13583	25721	38726	7803			360	880
Laboea sp.			867					
Lauderia annulata								80
Leptocylindrus minimus	578	289	289	578	40		1960	120
Mediopyxis helysia					120			
Membraneis challengeri								80
Mesodinium rubrum	3179	16473	1445	578	280		3840	1720
Navicula transitans var. *derasa*	2023	867						120
Navicula transitans var. *derasa* f. *delicatula*			289		40			
Pennate diatom	1445				160	40	480	40
Pleurosigma angulatum							40	
Polykrikos spp.							40	
Prorocentrum minimum		1156	1734				40	200
Protoperidinium spp.			289					
Pseudo-nitzschia americana							600	40
Pseudo-nitzschia delicatissima	2023	1445	2312		1080	120	200	480
Pseudo-nitzschia pseudodelicatissima				578				
Pseudo-nitzschia pungens								40
Rhabdonema spp.							40	
Rhizosolenia setigera						40		
Scrippsiella sp.	1734	18785	6936	289				280
Scrippsiella trochoidea	578	578	1445	578				
Skeletonema costatum	55777	142766	34391	48841	3040	1600	80	2720
Thalassionema nitzschioides				289	40	40		120
Thalassiosira baltica					80	40		
Thalassiosira bioculata var. *exigua*			289					

2-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira gravida	867	1156	1445	1156	120		40	80
Thalassiosira sp. (tiny)	289				40			
Thalassiosira spp.	3468	6069	2023	4335	200	40	40	240
Tintinnida	4913	18496	14450	1445	80		800	680
Tintinnopsis beroidea	289				80		720	2600
Unarmoured dinoflagellate	867	3179	4913				40	320
9-Aug-11								
Alexandrium fundyense	288							
Amphidinium carterae	578			144				
Amphidinium sphenoides		289			40			
Amylax triacantha								289
Apedinella radians	3468	578						
Armoured dinoflagellate	16762	6936	6358	1440	40		440	2890
Asterionellopsis glacialis	578	289	578	144	120			289
Brachionus spp.			289					
Centric diatom						40		
Cerataulina pelagica	1734	867	2601	1008		40	240	1156
Ceratium fusus							40	
Ceratium lineatum	578						40	
Ceratium longipes		289					120	
Ceratium tripos							40	
Chaetoceros contortus		289	867	1008	40	40	160	
Chaetoceros convolutus f. *trisetosa*			578	288	40			
Chaetoceros danicus				288				
Chaetoceros debilis	578	578	1445	144				1156
Chaetoceros decipiens					40			
Chaetoceros didymus				288	40	40	320	2890
Chaetoceros laciniosus		289	289				40	
Chaetoceros pseudobrevis				288				
Chaetoceros similis						40	1960	2312
Chaetoceros socialis	2890	1156		432			2120	28033
Chaetoceros spp. (Hyalochaete)	4624	14450	6647	4608	400	40	400	289
Commation cryoporinum					120			
Corethron hystrix	578			144	40	40		
Coscinodiscus wailesii	578							
Cylindrotheca closterium	19074	10982	10115	19440	15040	6080	3160	3757
Dactyliosolen fragilissimus			289				160	
Dictyocha speculum	1156		578	288			1000	19941
Dinobryon spp.		289	289					
Dinophysis acuminata			578				200	1734
Dinophysis norvegica	578							289
Dinophysis spp.							40	
Ditylum brightwellii		289	578	144	40	40		
Ebria tripartita							680	2890
Entomoneis spp.					120		200	
Eucampia spp.				576				
Eucampia zodiacus							40	
Eutintinnus sp.			289					
Eutreptiella sp.	12138	2023	2023				80	1445

9-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Favella spp.		289						
Gonyaulax spinifera	1156	578	289				40	
Guinardia delicatula	578				80		40	289
Gyrodinium spp.		289	867	1584	40			289
Helicostomella spp.		1156					120	1445
Heterocapsa triquetra	27744	18496	23409	144			600	3179
Laboea sp.	578		289					
Leptocylindrus danicus							40	
Leptocylindrus minimus	1156	1156	2312	1152		80	480	289
Mediopyxis helysia				144	40			
Membraneis challengeri		289						
Mesodinium rubrum	83810	2312	4913	1296	120	80	5520	40749
Micracanthodinium claytonii	578		578					
Navicula distans						40		
Navicula transitans var. *derasa*				432	40			
Navicula transitans var. *derasa* f. *delicatula*	578		289					289
Paralia sulcata					40			
Pennate diatom	578			144	80		120	
Pleurosigma / Gyrosigma							40	
Polykrikos spp.		578	867				40	
Prorocentrum micans	578							
Prorocentrum minimum	2890		578				280	867
Protoperidinium brevipes		289						
Protoperidinium spp.	578						120	289
Pseudo-nitzschia americana	2312						80	289
Pseudo-nitzschia delicatissima		2312	4335				40	867
Pseudo-nitzschia delicatissima group		289						
Pseudo-nitzschia pseudodelicatissima	2890			2880	920	160		
Pseudo-nitzschia pungens							160	
Pseudo-nitzschia seriata group		289						
Pseudo-nitzschia subpacifica					40			
Rhizosolenia setigera	578	289		144	40		80	
Scrippsiella sp.	14450	8092	4335					2023
Scrippsiella trochoidea	6358	289	3179				40	
Skeletonema costatum	57222	271660	112132	57888	4840	3440	360	578
Thalassionema nitzschioides				144	40	80	120	
Thalassiosira anguste-lineata		867	289	144	40			
Thalassiosira baltica					40	40		
Thalassiosira bioculata var. *exigua*	578							
Thalassiosira gravida	2890	10982	6358	2304	40	320	80	
Thalassiosira nordenskioeldii			578					
Thalassiosira punctigera							40	
Thalassiosira sp. (tiny)			289					
Thalassiosira spp.	9826	15606	15606	16848	1280	80	40	
Tintinnida	63580	6069	7225	576	320		1440	17051
Tintinnopsis beroidea		289			200	200	5200	11560
Tintinnopsis campanula							80	
Tintinnopsis spp.			289					
Unarmoured dinoflagellate	7514	5202	2890	576	80		160	867

16-Aug-11	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Actinoptychus senarius						80		
Amphidinium carterae			289					144
Amphidinium sphenoides	144							144
Apedinella radians		288					40	
Armoured dinoflagellate	1872	3888	2601	1734	96	40	120	2736
Asterionellopsis glacialis	144	720	1156	578	288			
Brachionus spp.	144	144						
Cerataulina pelagica	864	1584	1156	578			560	6624
Ceratium lineatum		288					40	576
Ceratium longipes							40	
Chaetoceros contortus	144	288		1156				864
Chaetoceros convolutus f. *trisetosa*	144	432						
Chaetoceros danicus	432	432			96	40		
Chaetoceros debilis	432	432	1156	1734			40	
Chaetoceros decipiens						40		
Chaetoceros diadema	144							
Chaetoceros didymus	576	144	289	1156			600	2016
Chaetoceros filiformis	144	1008	578	2312	96			
Chaetoceros laciniosus		288						
Chaetoceros lorenzianus	144							
Chaetoceros pseudobrevis	144			578		80		
Chaetoceros radicans	144	144		2312				
Chaetoceros similis	144	144	1156	578	96		5880	1152
Chaetoceros socialis		288	289				2360	36000
Chaetoceros spp. (Hyalochaete)	2736	3312	3468	2890	960	40	160	3600
Chaetoceros subtilis	144	288					40	
Copepoda	144	144					40	
Corethron hystrix		144	289		96			
Cylindrotheca closterium	5760	3600	8959	20808	12000	3520	3480	2016
Dactyliosolen fragilissimus						40		
Dictyocha speculum	144	288	289		192		560	15264
Dinobryon spp.		144						
Dinophysis acuminata			289	578			240	1440
Dinophysis norvegica								144
Dinophysis rotundata		144						
Dinophysis spp.							80	
Ditylum brightwellii	1008	288	867	2312	96	120		
Ebria tripartita							200	2880
Entomoneis spp.			578		96			
Eucampia zodiacus		144					80	432
Eutintinnus sp.	144	144	867	1156				
Eutreptiella sp.		144	1445					1008
Favella spp.	288							
Fragilaria spp.							40	
Gonyaulax spinifera	144		289					
Guinardia delicatula	288	144	289				80	
Guinardia flaccida							40	
Gyrodinium spp.	576	144	578	2890	288		80	288
Helicostomella spp.	864	288						288

16-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Heterocapsa triquetra	576	1728	4913	1156				1728
Leptocylindrus mediterraneus	144	144	289	578				
Leptocylindrus minimus	3168	2736	3179	6936	288	120	2440	1296
Membraneis challengeri			289	578				
Mesodinium rubrum	3312	8496	9248		96	80	2160	21888
Micracanthodinium claytonii			578					
Navicula transitans var. *derasa*					288			144
Navicula transitans var. *derasa* f. *delicatula*	432		1156					
Pennate diatom	144	144	867	578	960	80		144
Pleurosigma angulatum							80	
Polykrikos spp.	288	144						
Prorocentrum micans								144
Prorocentrum minimum		288					40	1008
Protoperidinium bipes		144	289					
Protoperidinium spp.	144			578				432
Pseudo-nitzschia americana			289		96		200	576
Pseudo-nitzschia delicatissima			3468				40	144
Pseudo-nitzschia pseudodelicatissima	2880	5904		5780	1344	320		
Pseudo-nitzschia pungens	144			578			880	12384
Pseudo-nitzschia seriata group								144
Pseudo-nitzschia subpacifica						40		
Ptychocylis spp.				578				
Rhizosolenia setigera	432	576	289			80	80	288
Scrippsiella sp.	720	144	5491	578			40	288
Scrippsiella trochoidea		432						
Skeletonema costatum	397086	514420	319634	355470	17568	7920	640	3024
Thalassionema nitzschioides	144	576	289		192	160	40	144
Thalassiosira anguste-lineata	144							
Thalassiosira baltica			289					
Thalassiosira bioculata var. *exigua*			289					
Thalassiosira gravida	5184	4464	9537	13294	1152	280	40	1008
Thalassiosira sp. (tiny)		288		2312				
Thalassiosira spp.	11664	15120	14161	42194	3072	80	40	432
Tintinnida	1440	4176	7803	2890	288		760	5184
Tintinnopsis beroidea	288	288		2890	480	200	1440	576
Tintinnopsis spp.	144	144						
Unarmoured dinoflagellate	720	2304	2601	1156			160	2160
23-Aug-11								
Alexandrium pseudogonyaulax		144						
Amphidinium carterae			40					
Apedinella radians		144	120					
Armoured dinoflagellate	3024	5616	1840	1156	160	40	578	2890
Asterionellopsis glacialis	864	864	120	289	120	160		
Centric diatom						40		
Cerataulina pelagica	288	144	80	867	160	40	2312	
Ceratium lineatum	144	144						
Ceratium longipes		144						
Chaetoceros affinis								5780
Chaetoceros contortus	144	288	80		40			578

23-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros convolutus f. *trisetosa*	576	288	120	289				
Chaetoceros danicus	288		160					
Chaetoceros debilis	288	576	80	1445	40		289	289
Chaetoceros didymus	144		80	578	40		578	
Chaetoceros filiformis		288						
Chaetoceros laciniosus			120					
Chaetoceros pseudobrevis				289	120			
Chaetoceros radicans							578	
Chaetoceros similis	432	288	360	578			7514	289
Chaetoceros socialis	144		200		40		51731	7225
Chaetoceros spp. (Hyalochaete)	2592	2016	1360	1156	360	200	9248	38437
Chaetoceros spp. (Phaeoceros)					40			
Chaetoceros subtilis	288	144			40		578	
Commation cryoporinum			40					
Copepoda		144						
Corethron hystrix	144		120	578	200	40	289	
Coscinodiscus wailesii							289	
Cylindrotheca closterium	7776	5040	6280	24854	7720	3680	5491	578
Dactyliosolen fragilissimus		144	40				1156	867
Dictyocha speculum			80	289				
Dinobryon spp.		144	160					
Dinophysis acuminata	288		240		40			5780
Dinophysis norvegica	144	144						
Ditylum brightwellii	1152	576	80	289	40	80	578	
Ebria tripartita			40		40		289	3757
Eucampia spp.			40					
Eucampia zodiacus					80			
Eutreptiella sp.			200	289				867
Gonyaulax spinifera	144	720	1280				289	2312
Guinardia delicatula	864	144		578	80		1734	
Gyrodinium aureolum	144							
Gyrodinium spp.	3024	864	2320	1734	280	120		578
Helicostomella spp.	144	144	1200					867
Heterocapsa triquetra	1296	1584	1440					1734
Leptocylindrus danicus				289				
Leptocylindrus mediterraneus			160					
Leptocylindrus minimus	12384	12672	5280	8959	520	160	13005	4913
Mediopyxis helysia	144							
Mesodinium rubrum	4752	3456	1600	1734		80	10404	67048
Micracanthodinium claytonii		144						
Navicula transitans var. *derasa* f. *delicatula*					40			
Pennate diatom	288	720		289	80		289	
Pleurosigma strigosum				289				
Prorocentrum micans		144						578
Prorocentrum minimum	144		120	289				289
Protoperidinium bipes			80					
Protoperidinium punctulatum	144							
Protoperidinium spp.	144	144						
Pseudo-nitzschia americana	288		40					

23-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia fraudulenta			40					
Pseudo-nitzschia pseudodelicatissima	3312	4320	1760	6358	960	560		
Pseudo-nitzschia pungens		144	120	1156	200	480	15317	32368
Pseudo-nitzschia seriata			40					
Pseudo-nitzschia seriata group		288	80					
Pseudo-nitzschia subpacifica		144				40		
Pseudo-nitzschia turgidula	144							
Rhabdonema spp.	144							
Rhizosolenia hebetata f. *semispina*								289
Rhizosolenia imbricata					40			
Rhizosolenia setigera	144		40		40	40	289	
Scrippsiella sp.	1728	3600	640					
Scrippsiella trochoidea		432	280	289			289	289
Skeletonema costatum	71961	204034	8560	91902	10880	5640		289
Thalassionema nitzschioides	432	144		578	400	200		
Thalassiosira anguste-lineata	144	288	40					
Thalassiosira baltica				289		80		
Thalassiosira gravida	4752	2160	2320	8092	2160	960	289	
Thalassiosira punctigera				289	40	40		
Thalassiosira sp. (tiny)	144				40			
Thalassiosira spp.	3024	4896	920	6358	1640	400		
Tintinnida	1728	2304	2520	2601	240	80	1734	10693
Tintinnopsis beroidea					160	200		
Unarmoured dinoflagellate	864	2160	320		200		289	2023
30-Aug-11								
Actinoptychus senarius					80	120		
Alexandrium fundyense		144						
Amylax triacantha								144
Armoured dinoflagellate	1440	6048	7056	680	40		144	1296
Asterionellopsis glacialis			144		40			
Aulacoseira ambigua					40			
Brachionus spp.				40				
Cerataulina pelagica	144			80	80		3312	432
Ceratium lineatum			288	40				1296
Ceratium spp.	144							
Chaetoceros affinis			144					144
Chaetoceros convolutus f. *trisetosa*				40				
Chaetoceros danicus		288	288		40			
Chaetoceros debilis	720		1296	480	600			144
Chaetoceros didymus				120	40			
Chaetoceros laciniosus			144					
Chaetoceros lorenzianus						80	144	
Chaetoceros pseudobrevis					40	120		
Chaetoceros similis	144	144	432	40	40		9504	1296
Chaetoceros socialis	1008		288	120		120	23472	32688
Chaetoceros spp. (Hyalochaete)	1296		3024	520	360	160	1008	1728
Chaetoceros subtilis							432	
Copepoda				80	40		144	
Corethron hystrix			144					

30-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Coscinodiscus radiatus				40				
Cylindrotheca closterium	2592	432	2448	2360	2600	1960	3744	2448
Dactyliosolen fragilissimus			288				1584	288
Dictyocha speculum		144	144	160	40		288	1296
Dinophysis acuminata			288	40			288	576
Ditylum brightwellii	1008	144	720	120	120	120		576
Ebria tripartita					40		144	288
Entomoneis spp.					80	80		
Eucampia zodiacus						40	1008	
Eutintinnus sp.			144					
Eutreptiella sp.	144	1440	1584		40		432	288
Gonyaulax spinifera		432	720					576
Guinardia delicatula	1296	144	1584	240	240	160	3744	720
Guinardia striata	144		144	160				
Gyrodinium spp.	720	1296	1440	840	440		144	576
Helicostomella spp.			144					144
Heterocapsa triquetra	144	288	2160					720
Lauderia annulata							144	
Leptocylindrus danicus				120	40			
Leptocylindrus minimus	5904	3024	9936	1480	1520	480	11952	2592
Licmophora spp.							144	
Mesodinium rubrum	1872	16416	9504	640	320	160	2880	14400
Navicula distans						40		
Navicula transitans var. *derasa*					120		144	144
Navicula transitans var. *derasa* f. *delicatula*			144	40				
Odontella sinensis	144							
Paralia sulcata		144						
Pennate diatom				160		160		
Pleurosigma / Gyrosigma				40				
Pleurosigma strigosum				40				
Polykrikos spp.			432					
Prorocentrum minimum			432	80				
Protoperidinium bipes			144	40				
Protoperidinium punctulatum								144
Protoperidinium spp.		144	432					144
Pseudo-nitzschia americana							432	144
Pseudo-nitzschia fraudulenta	576	144	288	120	40			144
Pseudo-nitzschia pseudodelicatissima	18720	5616	19728	8760	4920	1960		1296
Pseudo-nitzschia pungens	1008	288	1872	2040	920	1080	1584	3456
Pseudo-nitzschia seriata	288	144						
Pseudo-nitzschia seriata group			720					
Pseudo-nitzschia subpacifica		144	144	40	40	40		
Pseudo-nitzschia turgidula			144					
Rhizosolenia setigera	144			40	40		432	
Scrippsiella sp.		3888	3744	80				288
Scrippsiella trochoidea	144	1296	2448		80		144	
Skeletonema costatum	10224	2016	11952	3960	4240	6800		1728
Thalassionema nitzschioides	144		144	80	320	80		
Thalassiosira anguste-lineata	144			40				

30-Aug-11(continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Thalassiosira baltica					40			
Thalassiosira gravida	864	144	720	160	40	240		
Thalassiosira punctigera				40				
Thalassiosira spp.	1008		4032	960	520	240		
Tintinnida	288	3744	2016	600	160	40	432	1440
Tintinnopsis beroidea					40	240		
Tintinnopsis spp.			144					
Unarmoured dinoflagellate	432	1872	3024	120	120		288	864
6-Sep-11								
Actinoptychus senarius				80	80	40		
Amphidinium sphenoides			864					
Apedinella radians		578	288					
Armoured dinoflagellate	2400	34969	6624	320			280	1152
Asterionellopsis glacialis					40			
Brachionus spp.		578		40				
Centric diatom					40			
Cerataulina pelagica		289	144	40			280	
Ceratium fusus							40	432
Ceratium lineatum	320	3757	864	80			120	3168
Ceratium longipes							120	288
Ceratium minutum				80				
Ceratium tripos								288
Chaetoceros debilis	80	578	1152	80	40	40		
Chaetoceros decipiens						40		144
Chaetoceros lorenzianus	40	289						
Chaetoceros pseudobrevis					40			
Chaetoceros similis	40				80		1040	144
Chaetoceros socialis	760						35560	94792
Chaetoceros spp. (Hyalochaete)	400	289	144	80	280		40	
Commation cryoporinum			144			40		
Copepoda							40	288
Corethron hystrix			144	80	40	40		
Coscinodiscus wailesii								144
Cylindrotheca closterium	1440	578	2160	560	2040	960	920	
Dactyliosolen fragilissimus	40			160			320	144
Dictyocha speculum	160	289	288	160			440	3744
Dinophysis acuminata	80	578	288	40			40	6480
Dinophysis rotundata		289	144					
Ditylum brightwellii	40			120	40	40		
Ebria tripartita	280	867					400	9216
Entomoneis spp.						40		
Eutreptiella sp.	2720	22542	9504	200			280	2448
Favella spp.		578						
Gonyaulax digitale		289						
Gonyaulax spinifera	200	578						144
Guinardia delicatula	200	289	576	160	240	120	1600	720
Guinardia flaccida							120	
Gyrodinium spp.	200	2023	2016	240	200		40	144
Helicostomella spp.	40	578						

6-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Heterocapsa triquetra	1040	41616	5040	240			40	288
Laboea sp.			144	80				144
Leptocylindrus danicus					40		40	432
Leptocylindrus mediterraneus			144					
Leptocylindrus minimus	840		576	560	560	280	1800	288
Mesodinium rubrum	9000	151436	18432	200	40		2720	20016
Navicula transitans var. *derasa*			144					
Pennate diatom					240	40	40	
Preperidinium meuneri								144
Prorocentrum micans	40							144
Prorocentrum minimum		289		80				
Protoperidinium bipes			432		40			
Protoperidinium brevipes			144					
Protoperidinium punctulatum				40				
Protoperidinium spp.	80	1156	288	80				288
Pseudo-nitzschia americana	40						480	
Pseudo-nitzschia delicatissima	240			800				
Pseudo-nitzschia fraudulenta			144	40	40	80		
Pseudo-nitzschia pseudodelicatissima			144		1480	1680	280	
Pseudo-nitzschia pungens	440	1156	1008	1320	240	120	80	
Pseudo-nitzschia seriata group			720	80				
Pseudo-nitzschia subpacifica					80			
Rhizosolenia hebetata f. *semispina*							80	144
Rhizosolenia setigera	80	289		40			120	
Scrippsiella sp.	360	4624	2160	80				
Scrippsiella trochoidea		3468					40	432
Skeletonema costatum	360	289		40	200	240	120	
Thalassionema nitzschioides	40				120	80		
Thalassiosira gravida					120	160	40	
Thalassiosira punctigera						80		
Thalassiosira spp.	40		144	40	160	40		
Tintinnida	1960	9248	15408	120	40	200	800	6192
Tintinnopsis spp.				40				
Unarmoured dinoflagellate	680	4335	2016	120	80		80	720
13-Sep-11								
Actinoptychus senarius			160		120	600		
Alexandrium fundyense		200		40				
Alexandrium fundyense (duplet)		40						
Amphidinium carterae				40				
Amphidinium sphenoides	120	40	480	160	40			80
Apedinella radians	40		40					40
Armoured dinoflagellate	1440	5960	2040	200		80		360
Asterionellopsis glacialis					40			
Brachionus spp.	40	160	40					
Cerataulina pelagica	40	40					80	
Ceratium lineatum	1560	1160	1520					560
Ceratium longipes	40		40					40
Chaetoceros debilis		40	80	80	40			
Chaetoceros decipiens			40			40		

13-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros similis		40					400	160
Chaetoceros socialis	40	120		680			920	22560
Chaetoceros spp. (Hyalochaete)	400	40		40		40	360	
Chaetoceros subtilis					40			
Commation cryoporinum					40			
Copepoda	40				40			
Corethron hystrix				40	80	120		
Coscinodiscus radiatus				40				
Coscinodiscus spp.	80	40						
Coscinodiscus wailesii	40							80
Cylindrotheca closterium	1600	360	680	680	800	880	160	200
Dactyliosolen fragilissimus							40	80
Dictyocha speculum	200	40	200	40		40	80	1120
Dinophysis acuminata	40	40	280					960
Dinophysis norvegica	120		40					
Ditylum brightwellii						40		
Ebria tripartita			160				120	7120
Entomoneis spp.				40				
Eutreptiella sp.	4520	6160	12040	760		40		2520
Guinardia delicatula	40	80	40	40		120	880	1160
Guinardia flaccida								80
Guinardia striata				40				
Gyrodinium aureolum		200	40					
Gyrodinium spp.	360	320	240	160	280			280
Helicostomella spp.								40
Heterocapsa triquetra	320	680	960					
Laboea sp.	80							
Leptocylindrus danicus								40
Leptocylindrus mediterraneus			80	40				
Leptocylindrus minimus	160	80	40	80	40	40	40	200
Mesodinium rubrum	3600	4760	3480	80		160	600	3280
Micracanthodinium claytonii				40				
Navicula transitans var. *derasa*	120		40	40				80
Navicula transitans var. *derasa* f. *delicatula*		40		40				120
Odontella sinensis				120		40		
Paralia sulcata	40							
Pennate diatom	120			80	40	80		320
Pleurosigma / Gyrosigma	40							
Pleurosigma angulatum						40	40	
Prorocentrum micans			40					40
Prorocentrum minimum								40
Protoperidinium bipes			80					
Protoperidinium brevipes	40							
Protoperidinium conicum			40					
Protoperidinium spp.	80		80					40
Protoperidinium steinii			40					
Pseudo-nitzschia americana							120	240
Pseudo-nitzschia delicatissima	240							
Pseudo-nitzschia pseudodelicatissima		40		440	840	840		40

13-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pungens	40	40		120	120	520	40	
Pseudo-nitzschia subpacifica					80			
Pseudo-nitzschia turgidula				40				
Rhizosolenia imbricata	40							
Rhizosolenia setigera		40					80	80
Scrippsiella sp.	80	280	240					160
Scrippsiella trochoidea	40	160						
Skeletonema costatum	520	80			40	160		
Thalassionema nitzschioides	80			80	40	200		40
Thalassiosira baltica						40		
Thalassiosira gravida			120		40			
Thalassiosira punctigera				40				
Thalassiosira spp.						40		
Tintinnida	2160	2000	1960	400	160	40	160	4160
Tintinnopsis beroidea							80	200
Tintinnopsis spp.								40
Unarmoured dinoflagellate	520	640	480		80	40		400
20-Sep-11								
Actinoptychus senarius	120				320			
Alexandrium fundyense		80	40					
Alexandrium fundyense (duplet)		40						
Amphidinium carterae	40		120					80
Amphidinium sphenoides		120	480	240				40
Apedinella radians	40	40	560					
Armoured dinoflagellate	160	1640	1720	640				120
Biddulphia alternans						40		
Cerataulina pelagica			200		40			
Ceratium fusus			80					
Ceratium lineatum	320	1880	2680	360				120
Chaetoceros debilis		280	200	120		40		
Chaetoceros similis							200	40
Chaetoceros socialis	40	40	40				200	
Chaetoceros spp. (Hyalochaete)			440		40		40	
Commation cryoporinum					40			
Copepoda	40							40
Corethron hystrix					40			
Coscinodiscus radiatus		40	40					
Coscinodiscus wailesii		80	80					
Cyclotella spp.							40	
Cylindrotheca closterium	440	520	1120	680	640	360		
Dictyocha speculum	80	480	400	360			120	1080
Dinophysis acuminata		80	40	120				80
Dinophysis norvegica				40				
Ditylum brightwellii		40	40		40	40		
Ebria tripartita	40	40	120	360			200	2480
Eutreptiella sp.	2840	19560	16240	5880	80		80	600
Guinardia delicatula	40	80	200	40	80	40	200	360
Guinardia flaccida					80			
Gyrodinium aureolum	40		40					

20-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gyrodinium spp.		40	120	240		40	40	40
Gyrosigma littorale		40						
Heterocapsa triquetra		40						
Laboea sp.	80	160		40				
Leptocylindrus danicus			80	80				
Leptocylindrus mediterraneus			160					
Leptocylindrus minimus		320	160				80	
Licmophora spp.	40	40						
Mesodinium rubrum	1360	25760	5880	520		160	120	5120
Micracanthodinium claytonii				40				
Navicula distans						40		
Navicula transitans var. *derasa*			40	80				
Navicula transitans var. *derasa* f. *delicatula*			40					
Odontella sinensis						40		
Pennate diatom				40	80	80		
Pleurosigma strigosum				40	40			
Prorocentrum micans		40	120					40
Prorocentrum minimum		200	80	80				
Pseudo-nitzschia americana	40	40					200	40
Pseudo-nitzschia fraudulenta				40				
Pseudo-nitzschia pseudodelicatissima	40			80	280	520	80	
Pseudo-nitzschia pungens						80		
Rhizosolenia imbricata						40		
Rhizosolenia setigera			40				120	40
Scrippsiella sp.		240	400					
Scrippsiella trochoidea			160	40				200
Skeletonema costatum	280		40		40	40	120	
Thalassionema nitzschioides					40	200		
Thalassiosira anguste-lineata				40				
Thalassiosira baltica				40		40		
Thalassiosira gravida			80					
Thalassiosira punctigera			80	40				
Thalassiosira spp.			40	80	40			
Tintinnida	1200	4000	3320	3280	120	120	200	7080
Tintinnopsis beroidea				80		80		
Unarmoured dinoflagellate	40	1600	1440	680		40		120
27-Sep-11								
Actinoptychus senarius	160	1008		560	80		40	320
Amphidinium carterae			80					
Amphidinium sphenoides	80		320	80				
Apedinella radians	320	8064	2320					40
Armoured dinoflagellate	800	13968	840	80	80		80	760
Brachionus spp.	80							
Centric diatom	80					40		80
Cerataulina pelagica		144						40
Ceratium fusus	40		80					40
Ceratium lineatum	1560	12816	3760	160		40		840
Chaetoceros debilis	240	1008	120	440	200	40		40
Chaetoceros decipiens			40					

27-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Chaetoceros socialis	240		200					40
Chaetoceros spp. (Hyalochaete)	200	576	160	160	240			40
Copepoda	80	288						
Corethron hystrix				40			40	40
Coscinodiscus radiatus					40			
Coscinodiscus spp.		288	40	40				
Coscinodiscus wailesii	80							
Cylindrotheca closterium	1920	3456	1040	840	400	320	40	400
Dactyliosolen fragilissimus	200							40
Dictyocha speculum	200	432	160	240			1400	6560
Dinophysis acuminata	40						40	280
Dinophysis norvegica	40							
Ditylum brightwellii				40	40			
Ebria tripartita	40						120	520
Entomoneis spp.						40		
Eucampia zodiacus			80					
Eutreptiella sp.	4120	14256	11320	200			200	1400
Favella spp.		144						
Gonyaulax digitale	40							
Gonyaulax spinifera		144						40
Guinardia delicatula	40	288		80	40			200
Guinardia flaccida								40
Gyrodinium aureolum	120	1008	280					
Gyrodinium spp.	360	576		160	160			
Gyrosigma spp.			120					
Helicostomella spp.	120		40					
Heterocapsa triquetra	120	2016	40					
Laboea sp.	80	144		40				
Lemmoxia faveolata	240	2304						40
Leptocylindrus danicus		144		160	40			
Leptocylindrus mediterraneus	880	3456	760	360				240
Leptocylindrus minimus	120	864	440	80				40
Melosira nummuloides								40
Mesodinium rubrum	2680	3600	1280	480			1240	2000
Navicula distans	40							
Navicula transitans var. *derasa*	120							40
Navicula transitans var. *derasa* f. *delicatula*			80		40			
Odontella sinensis					40	40		
Pennate diatom	40		80		40		40	40
Pleurosigma / Gyrosigma	40					40		
Pleurosigma strigosum		144						
Polykrikos spp.		288						
Prorocentrum micans	40	144						40
Prorocentrum minimum				40				40
Protoperidinium bipes			120					40
Protoperidinium brevipes		144						120
Protoperidinium spp.	40	576		40				
Pseudo-nitzschia americana							40	
Pseudo-nitzschia pseudodelicatissima	120		160		80	80		80

27-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pungens			40				40	
Rhizosolenia imbricata	40							
Rhizosolenia setigera						40	120	200
Scrippsiella sp.		1296	120					
Scrippsiella trochoidea	80							240
Skeletonema costatum	240		40	40	40			40
Thalassionema nitzschioides			40		80	120		80
Thalassiosira baltica					80			
Thalassiosira gravida	120	288	40	80	120			40
Thalassiosira punctigera	200	144	160	120	80	40		40
Thalassiosira sp. (tiny)					40			
Thalassiosira spp.	200		80		40			
Tintinnida	4000	17424	2920	1720	200	160	280	1840
Tintinnopsis beroidea	40		40		40	40	40	80
Unarmoured dinoflagellate	280	11808	2720		120		40	80
4-Oct-11								
Actinoptychus senarius	320	240	400		840	280	80	40
Alexandrium pseudogonyaulax		40						
Amphidinium carterae		80		40				40
Amphidinium sphenoides		80	160	120		80		
Apedinella radians	160		120					
Armoured dinoflagellate	560	320	1400	840	40	80	80	280
Asterionellopsis glacialis					80	40		
Brachionus spp.		80						
Centric diatom			120				40	
Cerataulina pelagica			40		120		40	
Ceratium lineatum	1160	1480	2240	1600		40	400	640
Ceratium tripos			40					
Chaetoceros debilis					40	120	40	640
Chaetoceros decipiens				120				
Chaetoceros didymus					80			40
Chaetoceros similis							280	160
Chaetoceros socialis			320					
Chaetoceros spp. (Hyalochaete)			40	80	120	40		40
Commation cryoporinum	40							
Copepoda	80	40		40	40			40
Corethron hystrix	80		80		40	80	40	360
Coscinodiscus spp.		40	40					
Coscinodiscus wailesii	40		40					
Cylindrotheca closterium	1240	1280	1640	1320	1040	400	360	200
Dactyliosolen fragilissimus					40			
Dictyocha speculum	680	400	440	80	120	40	10880	71672
Dinobryon spp.							40	
Dinophysis acuminata			80				40	280
Dinophysis pulchella	40							40
Ditylum brightwellii	40		40	40	40		40	
Ebria tripartita	80	120					640	1240
Entomoneis spp.					120			
Eucampia zodiacus								160

4-Oct-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Eutreptiella sp.	1680	9360	4720	1520	160	40	120	1440
Gonyaulax spinifera			40					80
Guinardia delicatula	120		40	80	40			120
Gyrodinium aureolum	160	40	40	160				80
Gyrodinium spp.	40	120	240	440		40		120
Helicostomella spp.							160	200
Heterocapsa triquetra		80	40					
Laboea sp.	40	40	120	120				160
Leptocylindrus danicus	80	40	160	120	40			
Leptocylindrus mediterraneus	40	40	120	40				40
Leptocylindrus minimus	120	120		40			40	
Licmophora spp.		40						
Mesodinium rubrum	1160	1400	1120	320		40	160	1120
Micracanthodinium claytonii	40							
Navicula transitans var. *derasa*			40	80			40	
Navicula transitans var. *derasa* f. *delicatula*	40	40	80					
Notholca spp.		40						
Odontella sinensis						40		
Pennate diatom	40	160	280	120	40	80	80	
Pleurosigma angulatum	40	40					40	
Pleurosigma strigosum		200	160		120	40		
Polykrikos spp.								40
Prorocentrum micans				40				80
Prorocentrum minimum		40	80					40
Protoperidinium excentricum	40							
Protoperidinium spp.		40		80				40
Pseudo-nitzschia americana	40							40
Pseudo-nitzschia delicatissima					40	40		
Pseudo-nitzschia delicatissima group	80		40					
Pseudo-nitzschia pseudodelicatissima				80				40
Pseudo-nitzschia pungens				120	40	40		160
Rhizosolenia hebetata f. *semispina*				40				
Rhizosolenia setigera				40			80	80
Scrippsiella sp.			160					
Scrippsiella trochoidea		40	80	40				200
Skeletonema costatum	40	80	40		40		80	
Thalassionema nitzschioides	40			80	200	40		40
Thalassiosira anguste-lineata				160				
Thalassiosira baltica						40		
Thalassiosira gravida			40			40		
Thalassiosira punctigera	120	40	280		120	160	40	40
Thalassiosira spp.	120	40	40	80	80			
Tintinnida	1080	2240	2680	1080	40		160	1040
Tintinnopsis beroidea	40			40	40		160	560
Unarmoured dinoflagellate	160	120	680	240		40		280
18-Oct-11								
Actinoptychus senarius	80	160			280	240	120	
Alexandrium fundyense	40	120		40				
Amphidinium carterae		40						40

18-Oct-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Amphidinium sphenoides		80	80					80
Apedinella radians			40					
Armoured dinoflagellate	120	280	200					320
Brachionus spp.		40						
Centric diatom	80	40	40	40				
Ceratium lineatum	400	760	320	600	40			1080
Chaetoceros debilis				160				760
Chaetoceros decipiens	40							
Chaetoceros lorenzianus								40
Chaetoceros similis							280	40
Chaetoceros spp. (Hyalochaete)					80			
Copepoda		40	40					40
Corethron hystrix			40				160	80
Coscinodiscus radiatus	40		40					40
Coscinodiscus spp.		40						
Cylindrotheca closterium	920	920	1480	1240	920	360	600	1040
Dictyocha speculum	80		40			80	120	80
Dinophysis acuminata								40
Ditylum brightwellii			80		40		40	
Entomoneis spp.				40				
Eutreptiella sp.	320	200	760	80			120	480
Gonyaulax digitale								120
Gonyaulax spinifera	40	40						40
Grammatophora marina					40			
Guinardia delicatula					40			
Gyrodinium aureolum	40							
Gyrodinium spp.	280	120		200				40
Helicostomella spp.								80
Helicotheca tamesis						40		
Laboea sp.	40		40		40			40
Lennoxia faveolata							40	
Leptocylindrus danicus					40			
Leptocylindrus minimus		40						
Mesodinium rubrum	1920	2240	680	200	160		120	2200
Micracanthodinium claytonii		40	40					
Navicula transitans var. *derasa* f. *delicatula*			40					40
Odontella sinensis				80		80	40	
Paralia sulcata		40				40		
Pennate diatom	40							40
Pleurosigma / Gyrosigma					40			
Pleurosigma strigosum				80	40	80		40
Polykrikos spp.								40
Prorocentrum micans								40
Prorocentrum sp. (small)			40					
Protoperidinium spp.				40				40
Pseudo-nitzschia pseudodelicatissima			40			40		
Pseudo-nitzschia pungens						80		
Rhizosolenia setigera							200	40
Scrippsiella trochoidea		40					40	760

18-Oct-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Skeletonema costatum	280	80				40	80	40
Thalassionema nitzschioides	40		40	80	120		40	40
Thalassiosira gravida			40		80	80		
Thalassiosira punctigera	120	200	120	240	80	40		240
Thalassiosira spp.		40		40				40
Tintinnida	760	1320	1720	760	160			10800
Tintinnopsis beroidea	200	80	120	40	40	80		840
Unarmoured dinoflagellate	200	760	1160	80				1240
16-Nov-11								
Actinoptychus senarius		320	160	80	480	360	120	80
Alexandrium fundyense				80				
Amphidinium carterae			40	40				400
Amphidinium sphenoides			40					
Armoured dinoflagellate		120	80		40			280
Asterionellopsis glacialis					40		40	
Aulacoseira ambigua	120			40				
Centric diatom		40	40					
Ceratium fusus				40				80
Ceratium lineatum	80	80	400	480	80	80		1840
Ceratium longipes				40				
Ceratium tripos			40		80			
Chaetoceros danicus		40						
Chaetoceros debilis								40
Chaetoceros decipiens					40			
Chaetoceros similis	200	80						240
Chaetoceros spp. (Hyalochaete)						40		40
Corethron hystrix		40						280
Coscinodiscus radiatus				40				
Cylindrotheca closterium	1280	1600	1320	840	560	1680	520	2040
Dictyocha speculum	80	120	40	40				280
Dinophysis acuminata	40							40
Dinophysis fortii			40					80
Dinophysis norvegica								40
Ditylum brightwellii		40		120	120	360	120	120
Entomoneis spp.		120						80
Eutreptiella sp.	80	80	240	40				6920
Gonyaulax digitale				40				
Gonyaulax spinifera	40							
Guinardia delicatula	40			40	40	40		
Gyrodinium aureolum			40					40
Gyrodinium spp.			120	160				600
Helicotheca tamesis	80					40		40
Heterocapsa triquetra								120
Laboea sp.							40	440
Leptocylindrus minimus			80					
Mesodinium rubrum	3920	2320	3280	80	40	40	160	4760
Navicula distans		80			40	160		
Navicula transitans var. *derasa*	40			40				
Navicula transitans var. *derasa* f. *delicatula*		40	40			40	40	40

16-Nov-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Odontella sinensis		120	40	120	40	40		40
Paralia sulcata							40	
Pennate diatom	40	40				120	40	
Pleurosigma / Gyrosigma						40		
Pleurosigma strigosum		80		40		80		
Preperidinium meuneri		40	40					
Prorocentrum micans	40							40
Protoperidinium spp.		40	40					40
Pseudo-nitzschia delicatissima		40	40				40	
Pseudo-nitzschia pseudodelicatissima				40				
Scrippsiella trochoidea		40						80
Skeletonema costatum	40	40	40	80			200	40
Tabellaria spp.							80	
Thalassionema nitzschioides	80	120	40		80	160	120	200
Thalassiosira anguste-lineata								40
Thalassiosira baltica	40							
Thalassiosira gravida		40						
Thalassiosira punctigera	320	600	40	360	520	240	440	280
Thalassiosira spp.	120	40	200	120	80	80	40	240
Tintinnida	280	120	200	560	80	40	80	5720
Tintinnopsis beroidea	40		40			40		
Unarmoured dinoflagellate	40	40	40					8640
13-Dec-11								
Actinoptychus senarius	440	120			280	40	160	80
Amphidinium carterae					40			40
Armoured dinoflagellate			40	80	40	80	40	80
Asterionellopsis glacialis	40				40			
Centric diatom		120		40				
Ceratium fusus				80	40			
Ceratium lineatum		40	80	40	40			120
Chaetoceros contortus								40
Chaetoceros danicus	40	40	40					40
Chaetoceros debilis					40			
Chaetoceros similis			40				40	80
Chaetoceros spp. (Hyalochaete)			40					
Copepoda		40						
Corethron hystrix					40			
Coscinodiscus radiatus	40				40			
Cylindrotheca closterium	1040	1200	1600	880	800	1400	440	1280
Dictyocha speculum	80		40	40	40		80	40
Dinophysis acuminata					40			
Dinophysis norvegica	40							
Dinophysis tripos				40				
Ditylum brightwellii	160	120	200	40	200	80	80	80
Entomoneis spp.					80		40	
Eutreptiella sp.	80	40	40					200
Guinardia delicatula								160
Guinardia flaccida			40					
Gyrodinium aureolum								40

13-Dec-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Gyrodinium spp.				120	40			
Helicotheca tamesis		40			80		40	
Heterocapsa triquetra								40
Laboea sp.		40						
Leptocylindrus minimus		40	40			40		
Mediopyxis helysia						40		
Mesodinium rubrum	160	720	200		40	40	120	1520
Navicula distans	40	120						
Navicula transitans var. *derasa* f. *delicatula*			40					
Odontella sinensis	40			80				
Paralia sulcata		40		40				
Pennate diatom	120		40	40		80	80	80
Pleurosigma strigosum			40		40			
Protoperidinium spp.				40				40
Pseudo-nitzschia delicatissima		120	40					
Pseudo-nitzschia pseudodelicatissima				40		80		
Pseudo-nitzschia pungens							40	
Rhizosolenia setigera							40	
Scrippsiella trochoidea								40
Skeletonema costatum	160	40	80		40	40		
Thalassionema nitzschioides	40		80	40	80	40		
Thalassiosira baltica	40							
Thalassiosira gravida	120				40			
Thalassiosira punctigera	120		80	120	200	200	40	200
Thalassiosira spp.	80	240	40	160	120	160	160	120
Tintinnida	80	120		120	40	80	120	320
Unarmoured dinoflagellate		120	200	120				280

Appendix 3. ***Alexandrium fundyense*** **and** ***Pseudo-nitzschia*** **species concentrations during 2012-2013.**

17-Jan-12	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima	40				40			40
14-Feb-12								
Pseudo-nitzschia delicatissima		80	80		40			
13-Mar-12								
Pseudo-nitzschia delicatissima	240							280
Pseudo-nitzschia delicatissima group							40	
2-Apr-12								
Pseudo-nitzschia delicatissima			40	200	40	120		200
11-Apr-12								
Pseudo-nitzschia delicatissima	200	280	720	120	200	80	440	1440
17-Apr-12								
Alexandrium fundyense	80	120	40					40
Alexandrium fundyense (duplet)	40	40						
Pseudo-nitzschia delicatissima	160	80	40	80	40		1520	2600
Pseudo-nitzschia pungens								40
25-Apr-12								
Alexandrium fundyense	600	40	240	40			120	200
Alexandrium fundyense (duplet)	120						40	
Pseudo-nitzschia delicatissima	480		160	240	320	80	2520	10800
1-May-12								
Alexandrium fundyense	360	80		320	80	40	160	280
Alexandrium fundyense (duplet)								40
Pseudo-nitzschia delicatissima	600	1000	1080	1440	880	600	3560	3240
8-May-12								
Alexandrium fundyense	960	3440	760	640	40	40		640
Alexandrium fundyense (duplet)	120	400		80				
Alexandrium fundyense (quadruplet)		120						
Alexandrium fundyense (triplet)	40							
Pseudo-nitzschia delicatissima	1880	2440	5200	3800	440	760	1760	4120
15-May-12								
Alexandrium fundyense	2560	15680	960	160			480	520
Alexandrium fundyense (duplet)	400	1920	80				80	
Alexandrium fundyense (quadruplet)		80						
Alexandrium fundyense (triplet)			40					
Pseudo-nitzschia delicatissima	7000	4280	4240	5240	720	120	4000	18920
22-May-12								
Alexandrium fundyense	640	2440	1560	40	40		120	960
Alexandrium fundyense (duplet)	160	440	120					160
Pseudo-nitzschia delicatissima	8760	17120	11200	17120	1920	2640	6280	29320
Pseudo-nitzschia pseudodelicatissima		40						
29-May-12								
Alexandrium fundyense	2280	800					1640	1040

29-May-12 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Alexandrium fundyense (duplet)	80	200					80	40
Alexandrium fundyense (fusing)	40						40	
Alexandrium fundyense (quadruplet)	40						40	
Pseudo-nitzschia delicatissima	8520	18840					145078	143922
Pseudo-nitzschia pungens	120							
5-Jun-12								
Alexandrium fundyense	3400	6360	4480	2601	160		120	1840
Alexandrium fundyense (duplet)	240	360	400					120
Alexandrium fundyense (fusing)	80		40					
Alexandrium fundyense (planozygote)		40	40					
Alexandrium fundyense (quadruplet)		40						
Alexandrium fundyense (triplet)								40
Pseudo-nitzschia delicatissima	35258	43928	12960	28033	11760	3200	54910	20320
12-Jun-12								
Alexandrium fundyense	80	160	2240	160			240	240
Alexandrium fundyense (duplet)			80					
Alexandrium fundyense (fusing)			40					
Pseudo-nitzschia americana							40	
Pseudo-nitzschia delicatissima	2440	3560	720	1280	2760	640	3160	120
Pseudo-nitzschia pseudodelicatissima	40	240						40
19-Jun-12								
Alexandrium fundyense	1200	5720	680	1360			40	320
Alexandrium fundyense (duplet)	160	480		80				
Alexandrium fundyense (fusing)		120						
Alexandrium fundyense (planozygote)		240						
Alexandrium fundyense (quadruplet)				40				
Pseudo-nitzschia delicatissima	440	360		240	400	280	1800	
Pseudo-nitzschia delicatissima group	40							
Pseudo-nitzschia pseudodelicatissima	40	40						40
Pseudo-nitzschia pungens				40				240
26-Jun-12								
Alexandrium fundyense	160	160	1440	120	160	40	480	1200
Alexandrium fundyense (duplet)			200					160
Alexandrium fundyense (planozygote)		40					40	
Pseudo-nitzschia americana							40	
Pseudo-nitzschia pseudodelicatissima	240	600	240	160	200	120	2240	2400
Pseudo-nitzschia pungens						40	80	400
Pseudo-nitzschia seriata					40		80	
3-Jul-12								
Alexandrium fundyense	40	80	280	80			240	280
Alexandrium fundyense (planozygote)								40
Pseudo-nitzschia fraudulenta				40				

3-Jul-12 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pseudodelicatissima	200	80		560	1560	200	18440	69360
Pseudo-nitzschia pungens				160	40	80	1000	3080
Pseudo-nitzschia turgidula					40			
10-Jul-12								
Alexandrium fundyense	40	120	40	40			40	440
Alexandrium fundyense (planozygote)		40						40
Pseudo-nitzschia pseudodelicatissima	1480	40	720	1040	1280	1520	27160	366667
Pseudo-nitzschia pungens	240		1240	480	160	120	4920	105000
Pseudo-nitzschia turgidula							40	
17-Jul-12								
Alexandrium fundyense	2200	14600	1520	80			240	40
Alexandrium fundyense (duplet)	80	80	200					
Pseudo-nitzschia americana						40		
Pseudo-nitzschia delicatissima			40					
Pseudo-nitzschia pseudodelicatissima	160	80	240	280	2480	2400	110976	5840
Pseudo-nitzschia pungens	600	1280	3160	5160	1680	560	11520	14600
Pseudo-nitzschia seriata				120				
Pseudo-nitzschia subpacifica						80		
24-Jul-12								
Pseudo-nitzschia pseudodelicatissima							880	480
Pseudo-nitzschia pungens							2320	1720
25-Jul-12								
Alexandrium fundyense	40	240	240					
Alexandrium fundyense (planozygote)	40							
Pseudo-nitzschia pseudodelicatissima	240	440	960	1480	1240	1040		
Pseudo-nitzschia pungens	1400	8360	15720	6400	4240	1520		
31-Jul-12								
Alexandrium fundyense	320	200	400	240				40
Pseudo-nitzschia fraudulenta	80		120					
Pseudo-nitzschia pseudodelicatissima	160				480	120		40
Pseudo-nitzschia pungens	640	240	440	120	8520	4000		
Pseudo-nitzschia subpacifica					40	40		
7-Aug-12								
Alexandrium fundyense		40	360	80				
Pseudo-nitzschia fraudulenta			120		40			
Pseudo-nitzschia pseudodelicatissima			40	40	40	40		
Pseudo-nitzschia pungens			40		160	160		
Pseudo-nitzschia seriata				80				
Pseudo-nitzschia subpacifica			40	40	40	40		
Pseudo-nitzschia turgidula					40			
14-Aug-12								
Alexandrium fundyense	40							

14-Aug-12 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia fraudulenta			160	200		40		
Pseudo-nitzschia pseudodelicatissima	40							
Pseudo-nitzschia pungens	80					80		
Pseudo-nitzschia seriata group		40	40					
Pseudo-nitzschia subpacifica						40		
21-Aug-12								
Pseudo-nitzschia fraudulenta					40			
Pseudo-nitzschia pseudodelicatissima						40		
Pseudo-nitzschia pungens		80		40	80	80		
Pseudo-nitzschia seriata group				40		40		
Pseudo-nitzschia subpacifica				80		40		
28-Aug-12								
Pseudo-nitzschia fraudulenta	40	40	320	80	160			
Pseudo-nitzschia pseudodelicatissima		80	400	160	360			
Pseudo-nitzschia pungens			680	480	120	40		40
Pseudo-nitzschia seriata group			120	80	40			
Pseudo-nitzschia subpacifica	160	40	1040	720	400			
4-Sep-12								
Pseudo-nitzschia delicatissima								40
Pseudo-nitzschia fraudulenta	480	7920	1320	1520	360	280		160
Pseudo-nitzschia pseudodelicatissima	480	17424	7960	4040	880	840		200
Pseudo-nitzschia pungens	40	4608	1680	480	1640	160		7640
Pseudo-nitzschia seriata			320	200				
Pseudo-nitzschia subpacifica	520	20880	6560	3360	1200	760		40
Pseudo-nitzschia turgidula				240		80		
11-Sep-12								
Pseudo-nitzschia fraudulenta				80		40		
Pseudo-nitzschia pseudodelicatissima			40	40	80	200	40	120
Pseudo-nitzschia pungens	40		120	40	640	720	1040	3680
Pseudo-nitzschia seriata			40				40	
Pseudo-nitzschia seriata group						40		
Pseudo-nitzschia subpacifica				40	40	120		
18-Sep-12								
Pseudo-nitzschia americana			120					
Pseudo-nitzschia pseudodelicatissima		40						
Pseudo-nitzschia pungens			120	120		120	40	40
Pseudo-nitzschia subpacifica			40					40
25-Sep-12								
Pseudo-nitzschia americana		40						
Pseudo-nitzschia pungens	40		360	200	40	40		
9-Oct-12								
Pseudo-nitzschia pseudodelicatissima	40	160	120		40		360	

9-Oct-12 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pungens	40	640	600	600	240	40	120	
25-Oct-12								
Alexandrium fundyense		40						
Pseudo-nitzschia americana	40							
Pseudo-nitzschia pseudodelicatissima	80				40			
Pseudo-nitzschia subpacifica					40			
19-Nov-12								
Pseudo-nitzschia pseudodelicatissima	40							
15-Jan-13		40	40					
Pseudo-nitzschia delicatissima								
12-Mar-13			40					40
Pseudo-nitzschia delicatissima			40					40
9-Apr-13								
Alexandrium fundyense								40
16-Apr-13								
Alexandrium fundyense	80	240						
Pseudo-nitzschia delicatissima							40	
23-Apr-13								
Alexandrium fundyense	40	40						40
30-Apr-13								
Alexandrium fundyense		200						
Alexandrium fundyense (duplet)		40						
Pseudo-nitzschia delicatissima								40
Pseudo-nitzschia pungens								40
7-May-13								
Alexandrium fundyense	360	440	80					120
Alexandrium fundyense (duplet)	80	80						
Pseudo-nitzschia delicatissima							40	40
14-May-13								
Alexandrium fundyense	120		40					80
Pseudo-nitzschia delicatissima			80				40	160
Pseudo-nitzschia seriata							40	
21-May-13								
Alexandrium fundyense							120	
Pseudo-nitzschia delicatissima							120	
23-May-13								
Alexandrium fundyense	760	1680	1280					80
Alexandrium fundyense (duplet)	120	160	40					
Pseudo-nitzschia delicatissima	40		120					240
28-May-13								
Alexandrium fundyense	120	720	240				40	1840
Alexandrium fundyense (duplet)		80	80					280

28-May-13 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia delicatissima	40	40					80	200
Pseudo-nitzschia seriata group		40						
4-Jun-13								
Alexandrium fundyense	960	6280	520				640	840
Alexandrium fundyense (duplet)	40	200	40					
Pseudo-nitzschia delicatissima	120	40	40				480	560
Pseudo-nitzschia seriata	40							
Pseudo-nitzschia seriata group		40						
11-Jun-13								
Alexandrium fundyense	920	2720	4240				80	600
Alexandrium fundyense (duplet)		480	200				40	
Pseudo-nitzschia delicatissima		120	80				120	920
Pseudo-nitzschia seriata								40
Pseudo-nitzschia seriata group	40	40						
18-Jun-13								
Alexandrium fundyense	280	760	6680				80	400
Alexandrium fundyense (duplet)			160					
Pseudo-nitzschia delicatissima			40				120	40
25-Jun-13								
Alexandrium fundyense	40	40	80					40
Pseudo-nitzschia delicatissima	40	320	120				40	40
Pseudo-nitzschia pungens								80
Pseudo-nitzschia seriata		40	200					
2-Jul-13								
Alexandrium fundyense	200	200	440				600	160
Pseudo-nitzschia delicatissima	40							
Pseudo-nitzschia pungens		40						
Pseudo-nitzschia seriata	40	160	200					
9-Jul-13								
Alexandrium fundyense		120	40					80
Pseudo-nitzschia seriata		200						
16-Jul-13								
Alexandrium fundyense	320		80					40
Pseudo-nitzschia pungens								40
Pseudo-nitzschia seriata		320	360					
23-Jul-13								
Pseudo-nitzschia delicatissima							160	
Pseudo-nitzschia seriata	880	1480	1120					480
30-Jul-13								
Alexandrium fundyense	200	280	200					240
Pseudo-nitzschia pungens	40	200	360					
Pseudo-nitzschia seriata	320	240	200					

30-Jul-13 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia seriata group	120							
6-Aug-13								
Alexandrium fundyense		160						
Pseudo-nitzschia delicatissima		40						
Pseudo-nitzschia pungens	40	80	40					120
Pseudo-nitzschia seriata	800	1200	1760					
Pseudo-nitzschia seriata group	320	120	320					
Pseudo-nitzschia subpacifica	40							
13-Aug-13								
Pseudo-nitzschia pseudodelicatissima			80					
Pseudo-nitzschia pungens	120	120	40					80
Pseudo-nitzschia seriata	360	7880	2880					160
Pseudo-nitzschia seriata group	240	3240	1720					80
Pseudo-nitzschia subpacifica		80						
20-Aug-13								
Alexandrium fundyense	40		80					
Alexandrium fundyense (planozygote)			40					
Pseudo-nitzschia pseudodelicatissima		80						
Pseudo-nitzschia pungens	840	440	40				40	10000
Pseudo-nitzschia seriata	1920	1920	440				40	200
Pseudo-nitzschia seriata group	840	520	120				40	80
27-Aug-13								
Pseudo-nitzschia pseudodelicatissima		40	200					40
Pseudo-nitzschia pungens	1120	720	920				560	3040
Pseudo-nitzschia seriata	280	240	240				80	80
Pseudo-nitzschia subpacifica	40		40					
3-Sep-13								
Pseudo-nitzschia americana							80	
Pseudo-nitzschia fraudulenta			40					
Pseudo-nitzschia pseudodelicatissima	200	280	160					40
Pseudo-nitzschia pungens	3840	3000	3040				1920	2400
Pseudo-nitzschia seriata	160	40	40				80	40
Pseudo-nitzschia seriata group	40							
Pseudo-nitzschia subpacifica			40					
Pseudo-nitzschia turgidula	40							
10-Sep-13								
Pseudo-nitzschia americana		120	240				280	
Pseudo-nitzschia pseudodelicatissima		40	240					40
Pseudo-nitzschia pungens	80	360	280				240	120
Pseudo-nitzschia seriata		40	40					
16-Sep-13								
Pseudo-nitzschia americana	40	80	40				400	600

16-Sep-13 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Pseudo-nitzschia pseudodelicatissima	200	240	80					40
Pseudo-nitzschia pungens	160	80	280				80	160
Pseudo-nitzschia seriata			40					
Pseudo-nitzschia turgidula		120						
24-Sep-13								
Pseudo-nitzschia americana	120							120
Pseudo-nitzschia fraudulenta								40
Pseudo-nitzschia pseudodelicatissima	240	640	800				40	360
Pseudo-nitzschia pungens	600	840	680				80	2400
Pseudo-nitzschia seriata			40					
Pseudo-nitzschia seriata group		40						
Pseudo-nitzschia subpacifica	40	120	40					
8-Oct-13								
Pseudo-nitzschia americana							120	
Pseudo-nitzschia fraudulenta	80	80					360	1280
Pseudo-nitzschia pseudodelicatissima	760	2200	800				2600	6520
Pseudo-nitzschia pungens	400	1400	1120				520	1400
Pseudo-nitzschia seriata							160	200
Pseudo-nitzschia subpacifica		200					520	1360
Pseudo-nitzschia turgidula								80
22-Oct-13								
Pseudo-nitzschia fraudulenta	6120	1520	2240				7240	93058
Pseudo-nitzschia pseudodelicatissima	9800	2800	3040				22360	123114
Pseudo-nitzschia pungens		200	240				360	1734
Pseudo-nitzschia seriata							40	
Pseudo-nitzschia seriata group	40	40	400					11560
Pseudo-nitzschia subpacifica	2200	2400	1280				3040	6936
Pseudo-nitzschia turgidula							40	
14-Nov-13								
Pseudo-nitzschia americana								40
Pseudo-nitzschia fraudulenta	1720	440	1120				1160	3360
Pseudo-nitzschia pseudodelicatissima	160	80					120	40
Pseudo-nitzschia pungens	80	120	80				640	1360
Pseudo-nitzschia seriata group	200	40	320				40	40
Pseudo-nitzschia subpacifica	720		200				160	960
10-Dec-13								
Pseudo-nitzschia fraudulenta							40	80
Pseudo-nitzschia pseudodelicatissima	120	160	40				40	80
Pseudo-nitzschia seriata group							80	120